



9800 Series

Pumps/Dispensers Parts List

Computer Programs and Documentation

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Federal Communications Commission (FCC) Warning

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Approvals

Gasboy, Greensboro, is an ISO 9001:2000 registered facility.

Underwriters Laboratories (UL):

U L File#	Products listed with U L
MH4314 MH1941	All dispensers and self-contained pumping units
MH6418	Power operated Transfer Pump Models 25, 25C, 26, 27, 28, 72, 72S, 72SP, 72X, 73 and 1820
MH7404	Hand operated Transfer Pump Models 1230 Series, 1243 Series, 1520 and 1720 Series
MH10581	Key control unit, Model GKE-B Series Card reader terminals, Models 1000, 1000P Site controller, Model 2000S CFN Series Data entry terminals, Model TPK-900 Series Fuel Point Reader System

New York City Fire Department (NYFD):

NYFD C of A #	Product
4823	9100A, 9140A, 9152A, 9153A, 9800A, 9840A, 9850A, 9852A, 9853A, 9140
4997	9822A, 9823A
5046	9100Q, 9140Q, 9152Q, 9153Q, 9800Q, 9840Q, 9852Q, 9853Q

California Air Resources Board (CARB):

Executive Order #	Product
G-70-52-AM	Balance Vapor Recovery
G-70-150-AE	VaporVac

National Conference of Weights and Measures (NCWM) - Certificate of Compliance (CoC):

Gasboy pumps and dispensers are evaluated by NCWM under the National Type Evaluation Program (NTEP). NCWM has issued the following CoC:

CoC#	Product	Model #	CoC#	Product	Model #	CoC#	Product	Model #
95-179A2	Dispenser	9100 Retail Series, 8700 Series, 9700 Series	91-019A2	Dispenser	9100 Commercial Series			
95-136A5	Dispenser	9800 Series	91-057A3	Controller	1000 Series FMS, 2000S-CFN Series			

Patents

Gasboy products are manufactured or sold under one or more of the following US patents:

Dispensers

5,257,720

Point of Sale/Back Office Equipment

D335,673

Trademarks

Non-registered trademarks

Atlas™
Consola™
Infinity™

Registered trademarks

ASTRA®
Fuel Point®
Gasboy®
Keytrol®
Slimline®

Additional US and foreign trademarks pending.

Other brand or product names shown may be trademarks or registered trademarks of their respective holders.

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1 – Introduction

Using This Parts List

This manual lists parts information for the Series 9800 pumps. Using part numbers when ordering will expedite your order and reduce the possibility of the wrong parts being shipped. This manual is arranged from general to specific, presenting the complete unit first, then the chassis breakdowns, then further breakdowns of the dial enclosures, discharges, pumping units, motors, meters and electronics. If you can't find the part you need from the chassis drawing, be sure to check the appropriate parts breakdown for your model.

Procedures requiring disassembly of portions of the pump/dispenser should be performed by competent service personnel. Do not depend upon the repair service of a general mechanic unless he is thoroughly familiar with the mechanism. Gasboy has a distributor network which services fuel dispensing and management systems in every section of the country.



CAUTION

To reduce the risk of electrical shock when servicing, turn off and lock out all power to the pump/dispenser. In submersible pump applications, turn off and lock out power to the submersible pump and any other pumps/dispensers, which use that submersible pump. AC power can feed back into a shut-off dispenser when dispensers share a common submersible pump or starter relay. Always turn off and lock out all power to the dispenser and submersible pumps at the master panel and close any impact valve before performing maintenance or service to the dispenser, including the changing of any fuel filters or strainers. Also block islands so no vehicles can pull up to the dispenser when the dispenser is being worked on.

Warranty

For information on warranty, refer to MDE-4255 Gasboy's Warranty Policy Statement. If you have any warranty-related questions, contact Gasboy's Warranty Department at its Greensboro location.

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2 – Important Safety Information

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing this product. Before performing any task on this product, read this safety information and the applicable sections in this manual, where additional hazards and safety precautions for your task will be found. Fire, explosion, electrical shock or pressure release could occur and cause death or serious injury if these safe service procedures are not followed.

Preliminary Precautions

You are working in a potentially dangerous environment of flammable fuels, vapors, and high voltage or pressures. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.



Emergency Total Electrical Shut-Off

The first and most important information you must know is how to stop all fuel flow to the pump and island. Locate the switch or circuit breakers that shut-off all power to all fueling equipment, dispensing devices, and submerged turbine pumps (STPs).

WARNING



The EMERGENCY STOP, ALL STOP, and PUMP STOP buttons at the cashier's station WILL NOT shut off electrical power to the pump/dispenser.

This means that even if you activate these stops, fuel may continue to flow uncontrolled.

You must use the TOTAL ELECTRICAL SHUT-OFF in the case of an emergency and not only these cashier station "stops."

Total Electrical Shut-Off Before Access

Any procedure requiring access to electrical components or the electronics of the dispenser requires total electrical shut-off of that unit. Know the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing Gasboy equipment.

Evacuation, Barricading and Shut-Off

Any procedures requiring accessing the pump/dispenser or STPs requires the following three actions:



- An evacuation of all unauthorized persons and vehicles using safety tape, cones or barricades to the effected units
- A total electrical shut-off of that unit

Read the Manual

Read, understand and follow this manual and any other labels or related materials supplied with this equipment. If you do not understand a procedure, call a Gasboy Authorized Service Contractor or call the Gasboy Service Center at 1-800-444-5529. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

Follow the Regulations

There is applicable information in NFPA 30A; *Automotive and Marine Service Code*, NFPA 70; *National Electrical Code (NEC)*, OSHA regulations and federal, state, and local codes which must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties or affect the safe use and operation of the equipment.

Replacement Parts

Use only genuine Gasboy replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gasboy replacement parts could create a safety hazard and violate local regulations.

Safety Symbols and Warning Words

This section provides important information about warning symbols and boxes.

Alert Symbol



This safety alert symbol is used in this manual and on warning labels to alert you to a precaution which must be followed to prevent potential personal safety hazards. Obey safety directives that follow this symbol to avoid possible injury or death.

Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions that follow must be followed to prevent death, injury or damage to the equipment



DANGER - This signal word is used to alert you to a hazard to unsafe practice which will result in death or serious injury



WARNING - This alerts you to a hazard or unsafe practice that could result in death or serious injury.



CAUTION with Alert symbol - This signal word designates a hazard or unsafe practice which may result in minor injury.

CAUTION without Alert symbol - When used by itself, CAUTION designates a hazard or unsafe practice which may result in property or equipment damage.

Working With Fuels and Electrical Energy

Prevent Explosions and Fires

Fuels and their vapors will become explosive if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause explosive vapors in the vicinity of dispenser or island.

No Open Flames



Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors.



No Sparks - No Smoking

Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapors. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuels and their vapors. After getting out of a vehicle, touch the metal of your vehicle to discharge any electrostatic charge before you approach the dispenser island.

Working Alone

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Be familiar with Cardiopulmonary Resuscitation (CPR) methods if you are working with or around high voltages. This information is available from the American Red Cross. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA tag out and lock out procedures. If you are not familiar with this requirement, refer to information in the service manual and OSHA documentation.

Working With Electricity Safely

Be sure to use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Be sure grounding connections are properly made. Make sure that sealing devices and compounds are in place. Be sure not to pinch wires when replacing covers. Follow OSHA Lock-Out and Tag-Out requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while the equipment is down.

Hazardous Materials

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Be sure to clean hands after handling equipment. Do not place any equipment in mouth.

WARNING

This area contains a chemical known to the State of California to cause cancer.

WARNING

This area contains a chemical known to the State of California to cause birth defects or other reproductive harm.

IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

Emergency First Aid

Informing Emergency Personnel

- Compile the following information for emergency personnel:
- Location of accident (for example, address, front/back of building, and so on.)
- Nature of accident (for example, possible heart attack, run over by car, burns, and so on.)
- Age of victim (for example, baby, teenager, middle-age, elderly.)
- Whether or not victim has received first aid (for example, stopped bleeding by pressure, and so on.)
- Whether or not a victim has vomited (for example, if swallowed or inhaled something, and so on.)

WARNING



Gasoline ingested may cause unconsciousness and burns to internal organs.
Do not induce vomiting.
Keep airway open.
Oxygen may be needed at scene.
Seek medical advice immediately.

WARNING



Gasoline inhaled may cause unconsciousness and burns to lips, mouth and lungs.
Keep airway open.
Seek medical advice immediately.

WARNING



Gasoline spilled in eyes may cause burns to eye tissue.
Irrigate eyes with water for approximately 15 minutes.
Seek medical advice immediately

WARNING



Gasoline spilled on skin may cause burns.
Wash area thoroughly with clear/water.
Seek medical advice immediately.

IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

Lockout/Tagout

Lockout/Tagout covers servicing and maintenance of machines and equipment in which the unexpected energization or start up of the machine(s) or equipment or release of stored energy could cause injury to employees or personnel. Lockout/Tagout applies to all mechanical, hydraulic, chemical or other energy, but does not cover electrical hazards. Reference Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

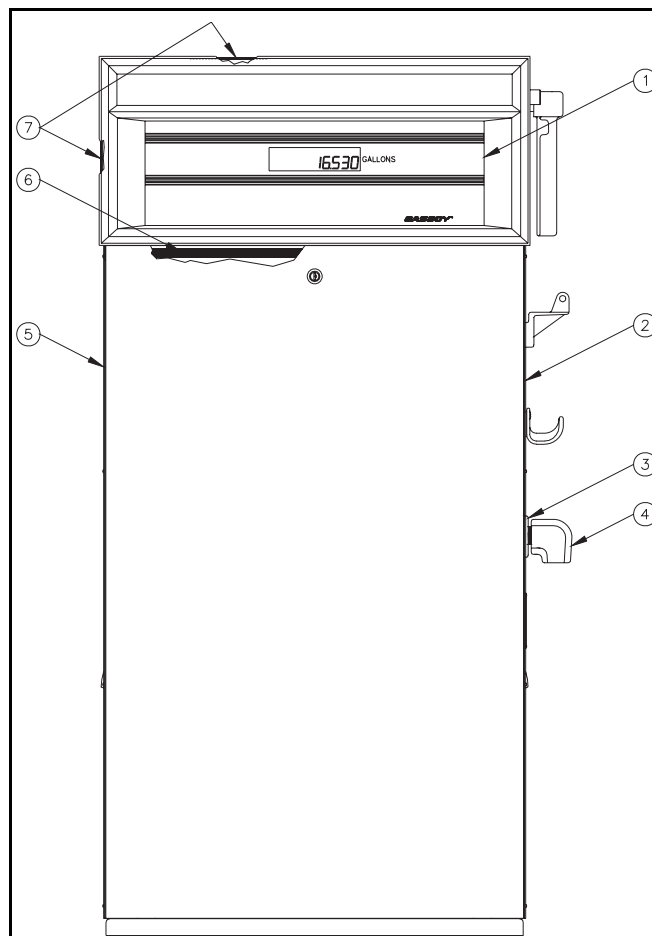
3 – External Parts and Assemblies

Note: All dimensions are in inches throughout this document unless specified otherwise.

9800 Single Assembly - Front View

Models: 9852, 9853, 9852X, 9853X, 9853HC, 9850, 9850X, 9850S, 9850XS

Figure 3-1: 9800 Single Assembly - Front View



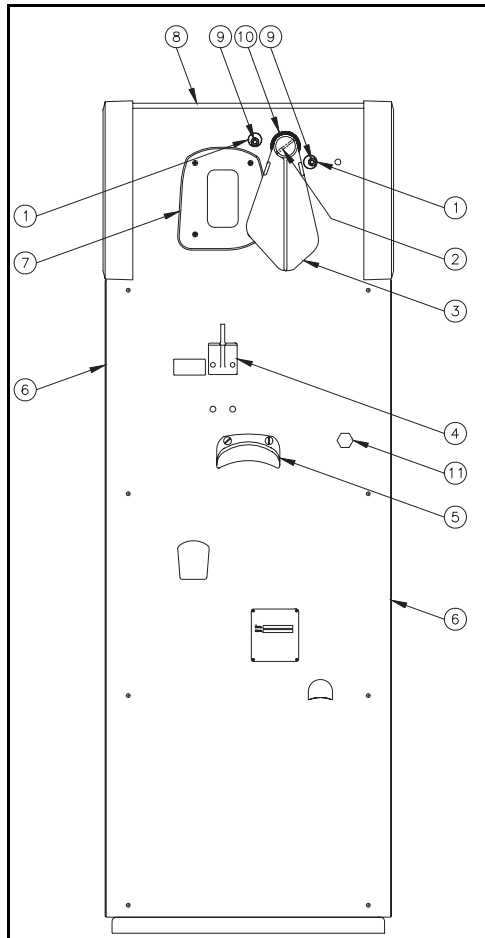
Item	Part No.	Description
1	026117	Dial Enclosure Assy. See "9800 Single Dial Enclosure" on page 5-1 for parts breakdown.
2	041056	Panel, Side, painted (See Note)
	041062	Panel, Side, painted, 9850 (See Note)
	041064	Panel, Side, painted, 9850X (See Note)
	041055	Panel, Side, stainless steel
	041061	Panel, Side, stainless steel, 9850
	041063	Panel, Side, stainless steel, 9850X
	041068	Panel, Rt. Int. Ret., painted (See Note)
	041067	Panel, Rt. Int. Ret., stainless steel
3	028930	Grommet Discharge - 3/4" (9852-9852X)
	028960	Grommet Discharge - 1" (9853-9853X)
	028975	Grommet Discharge, 9850
4	024955	Elbow - Discharge 3/4" (9852-9852X)
	003620	Elbow - Discharge 1" (9853-9853X)
	Z07941	Elbow - discharge, 9850
5	041058	Panel, Left Side, painted (See Note)
	041057	Panel, Left Side, stainless steel
6	C01989	Gasket, bulk 1/4T x 1/2W Slf-ad
7	027078	Gasket, 1/16 x 1/2 Rubatex R411N

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

9800 Single Assembly - Side View

Models: 9852, 9853, 9852X, 9853X, 9853HC, 9850, 9850X, 9850S, 9850XS

Figure 3-2: 9800 Single Assembly-Side view



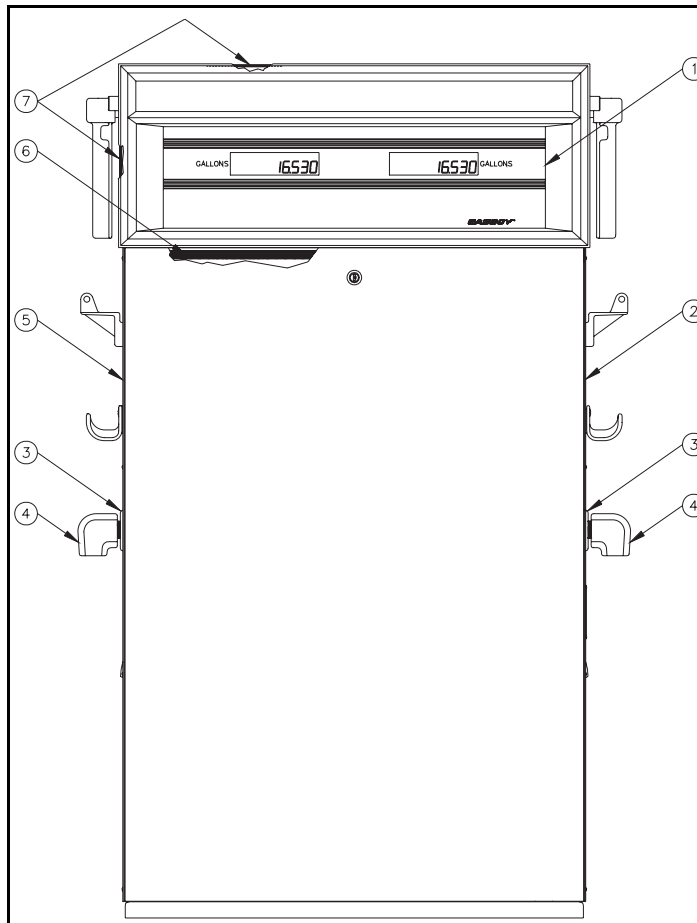
Item	Part No.	Description
1	063204	Stop - Eccentric
2	042657	Roll Pin P/N SZ-125-1.375 Driv-Lok Plate
3	003347	Lever, Control
4	003732	Hook-Nozzle
	003719	Hook-Nozzle, vapor recovery
5	003740	Hook-Hose
6	040740	Panel and Lock Assy., painted (See Note)
	040687	Panel and Lock Assy., stainless steel
7	003338	Boot-Nozzle
	003336	Boot-Nozzle, vapor recovery
8	M04545A001	Cover-Top painted weld (See Note)
	M04546A001	Cover-Top stainless steel weld
9	Q10036-31	Screw, 5/16-18x1 Hex Soc Cap, PI Full Thread
10	N15941-44	Grommet, Control Lever
11	017915	Cap - Vent, 9850 only

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

9800 Twin Assembly - Front View

Models: 9852TW, 9853TW, 9852TW1, 9853TWM1, 9852XTW, 9853XTW, 9852TW1

Figure 3-3: 9800 Twin Assembly - Front View



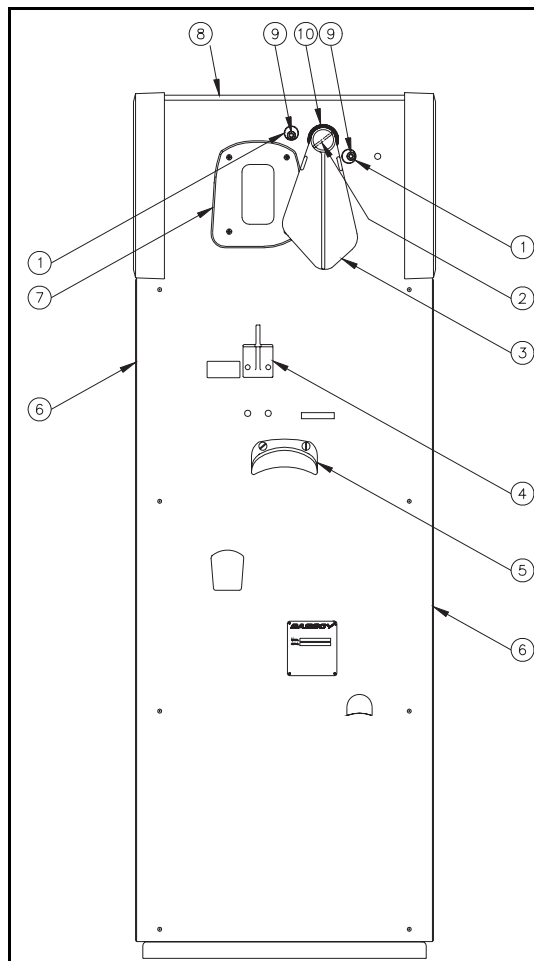
Item	Part No.	Description
1	026119	Dial Enclosure Assy. See 9800 Twin Dial Enclosure for parts breakdown.
2	041056	Panel, Side, painted (See Note)
	041055	Panel, Side, stainless steel
	041089	Panel, Left, Int. Ret., painted (See Note)
	041069	Panel, Left Int. Ret., stainless steel
3	028930	Grommet, Discharge - 3/4"
	028960	Grommet, Discharge - 1"
4	024955	Elbow, Discharge - 3/4"
	003620	Elbow, Discharge - 1"
5	041060	Panel, Left Side, painted (See Note)
	041059	Panel, Left Side, stainless steel
6	C01989	Gasket, bulk 1/4T x 1/2W Slf-ad
7	027078	Gasket, 1/16" x 1/2" Rubatex R411N

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

9800 Twin Assembly - Side View

**Models: 9852TW, 9853TW, 9852TW1, 9853TWM1, 9852XTW, 9853XTW,
9852TW1**

Figure 3-4: 9800 Twin Assembly - Side View

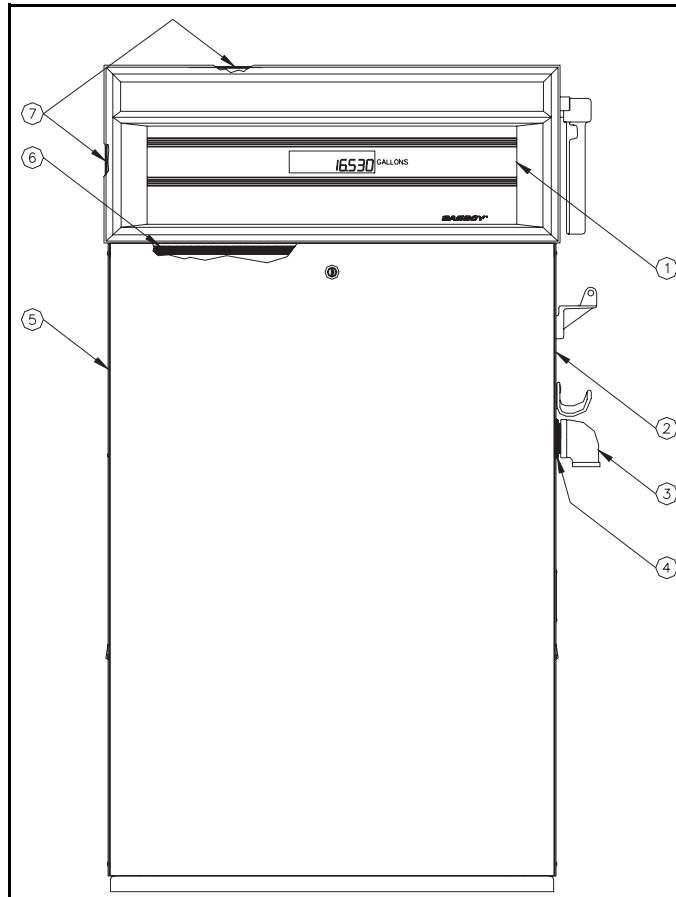


Item	Part No.	Description
1	063204	Stop - Eccentric
2	042657	Roll Pin P/N SZ-125-1.375 Driv-Lok Plate
3	003347	Lever, Control
4	003732	Hook-Nozzle
	003719	Hook-Nozzle, vapor recovery
5	003740	Hook-Hose
6	040739	Panel and Lock Assy., painted (See Note)
	040699	Panel and Lock Assy., stainless steel
7	003338	Boot-Nozzle
	003336	Boot-Nozzle, vapor recovery
8	022447	Cover-Top painted weld (See Note)
	022446	Cover-Top stainless steel weld
9	Q10036-31	Screw, 5/16-18x1 Hex Soc Cap
10	N15941-44	Grommet, Control Lever

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

9840 Assembly - Front View

Figure 3-5: 9840 Assembly - Front View

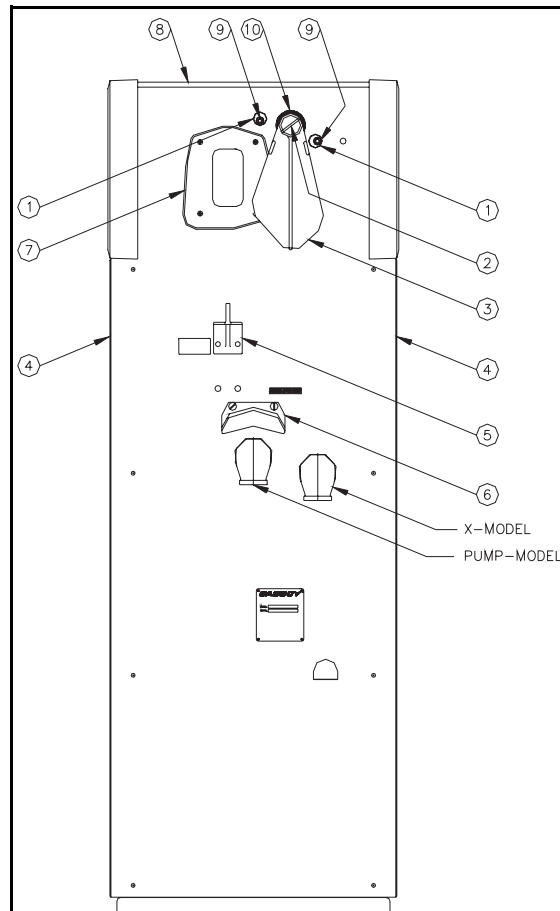


Item	Part No.	Description
1	026126	Dial Enclosure Assy.
2	041072	Panel, Side, painted, 9840 (See Note)
	041074	Panel, Side, painted, 9840X (See Note)
	041071	Panel, Side, stainless steel, 9840
	041073	Panel, Side, stainless steel, 9840X
3	Z07941	Elbow Discharge
	017171	Elbow Discharge w/o Valve
4	028976	Grommet Discharge
5	041058	Panel, Left Side, painted (See Note)
	041057	Panel, Left Side, stainless steel
6	C01989	Gasket, bulk, 1/4T x 1/2W self-adhesive
7	027078	Gasket, 1/16" x 1/2" Rubatex R411N

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

9840 Assembly - Side View

Figure 3-6: 9840 Assembly - Side View



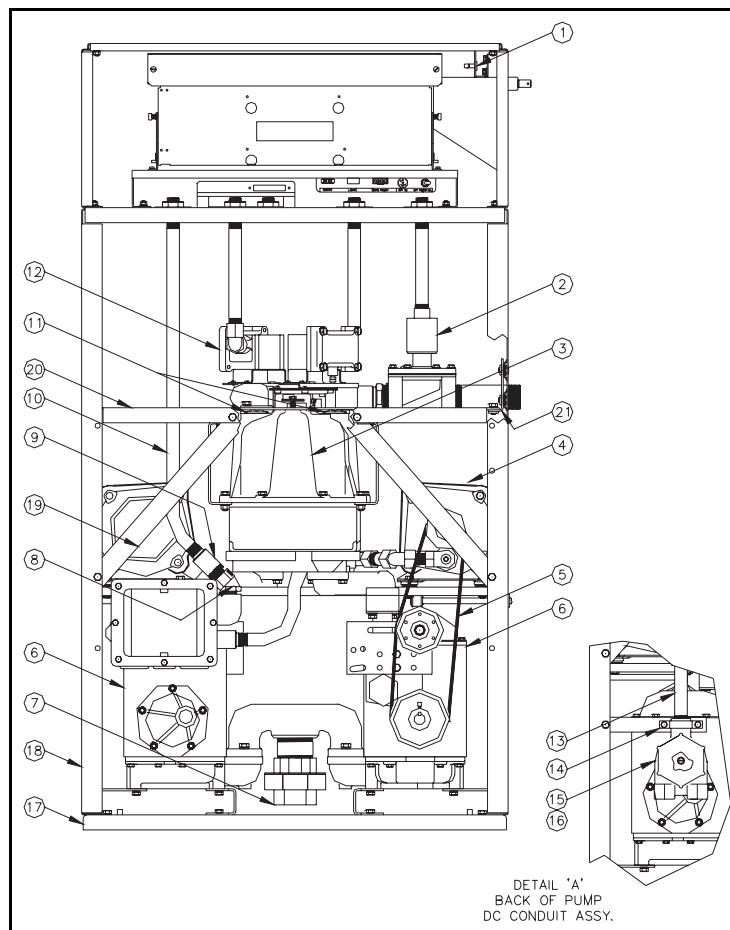
Item	Part No.	Description
1	063204	Stop, Eccentric
2	042657	Roll Pin P/N SZ-125-1.375 Driv-Lok Plate
3	003347	Lever, Control
4	040739	Panel and Lock Assy., painted (See Note)
	040699	Panel and Lock Assy., stainless steel
5	003732	Hook-Nozzle
6	003740	Hook-Hose
7	003338	Boot-Nozzle
8	022447	Cover-Top painted weld (See Note)
9	Q10036-31	Screw, 5/16-18x1 Hex Soc Cap, PI Full Thread
10	N15941-44	Grommet, Control Lever

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

4 – Internal Parts and Assemblies

9840 Chassis

Figure 4-1: 9840 Chassis

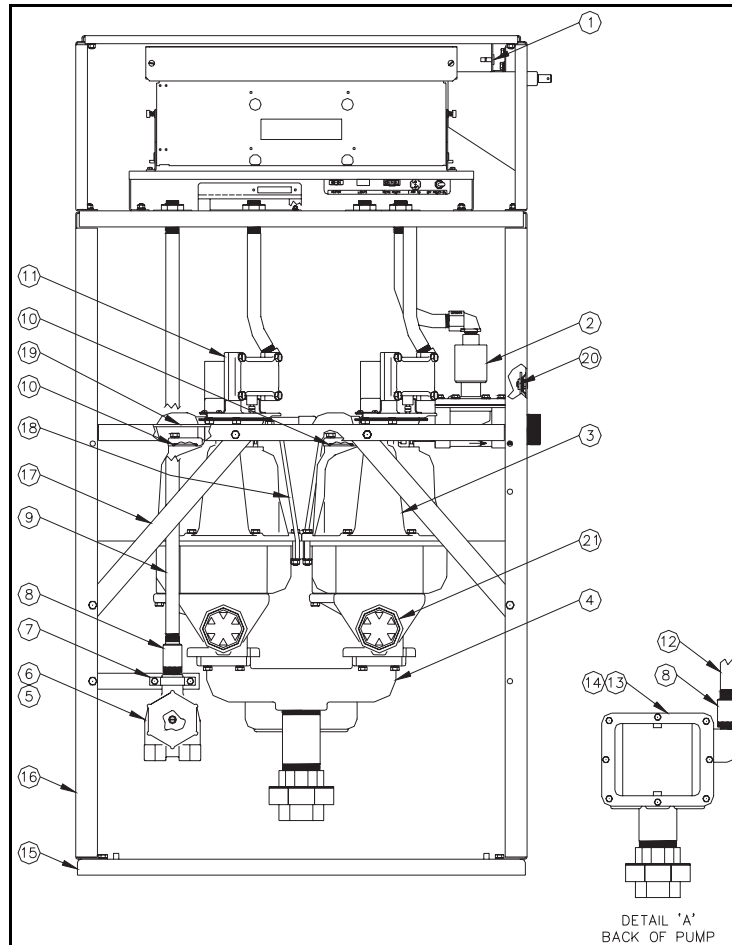


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	070046	Discharge Valve Assy.
3	035664	Meter Drive Assy., Gallon
4	037317	Motor Bracket Assy. (No Longer Available)
5	R06711-48	Belt, A33
6	035447	Pumping Unit Assy.
7	035162	Manifold Assy.
8	025015	Elbow, Conduit, 1/2 x 45° M/F

Item	Part No.	Description
9	N16289-20	1/2" UNY Explosion-proof Cond Union
10	021871	Conduit Assy.
11	M49014	O-Ring, 1-1/4" x 1-1/2" Buna-N
12	021872	Conduit Pulser Assy.
13	021873	DC conduit Assy.
14	020740	Clamp, Junction Box, Red Oxide
15	003337	Junction Box, Mchng
16.	003461	Junction Box Cover - Mchng
17	022314	Base Weld Assy.
18	026772	Frame Side
19	015514	Column Brace
20	022010	Frame Support Weld Assy.
21	015071	Frame Support Weld Assy.
22	M04193A001	Cable/Bracket Assembly, Single (Not Shown)

9840X Chassis

Figure 4-2: 9840X Chassis

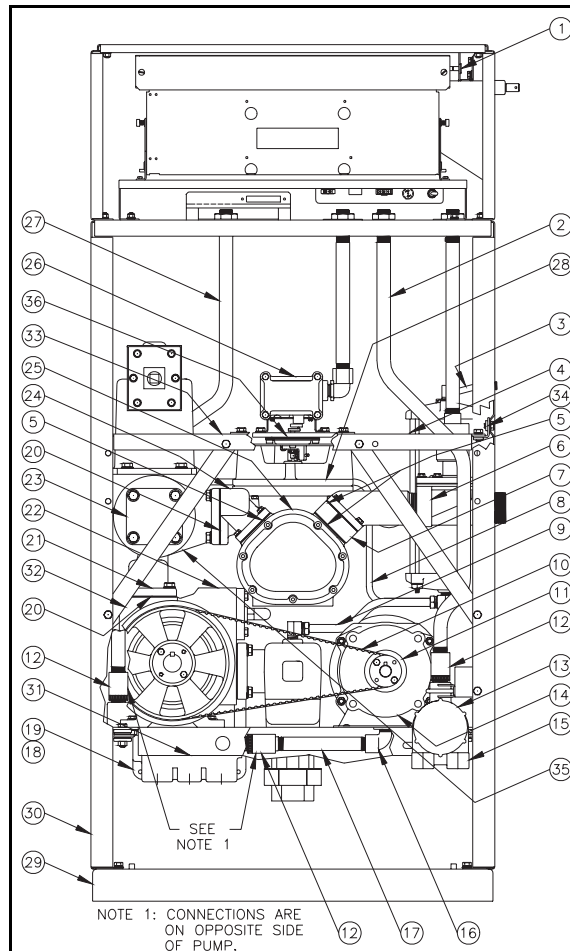


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	070045	Discharge Valve Assy.
3	035663	Meter Drive Assy., Gallon
4	035161	Manifold Assy.
5	003461	Junction Box Cover - Mchng
6	003337	Junction Box, Mchng
7	020740	Clamp, Junction Box, Red Oxide
8	N16289-20	1/2" UNY Explosion-proof Cond Union
9	022059	Conduit Assy, DC
10	M49014	O-Ring, 1-1/4" x 1-1/2" Buna-N
11	022060	Conduit-Pulser Assy.
12	021869	Conduit Assy., AC
13	014100	AC Junction Box

Item	Part No.	Description
14	022196	AC Junction Box Cover (No Longer Available)
15	022314	Base Weld Assy.
16	026772	Frame Side
17	015514	Column Brace
18	015073	Meter Mounting Bracket Assy.
19	022307	Column Top Support
20	015071	Frame Support Weld Assy.
21	063312	Strainer, Gasoline
	063313	Strainer, Diesel
22	M04193A001	Cable/Bracket Assembly, Single (Not Shown)

9850 Chassis

Figure 4-3: 9850 Chassis

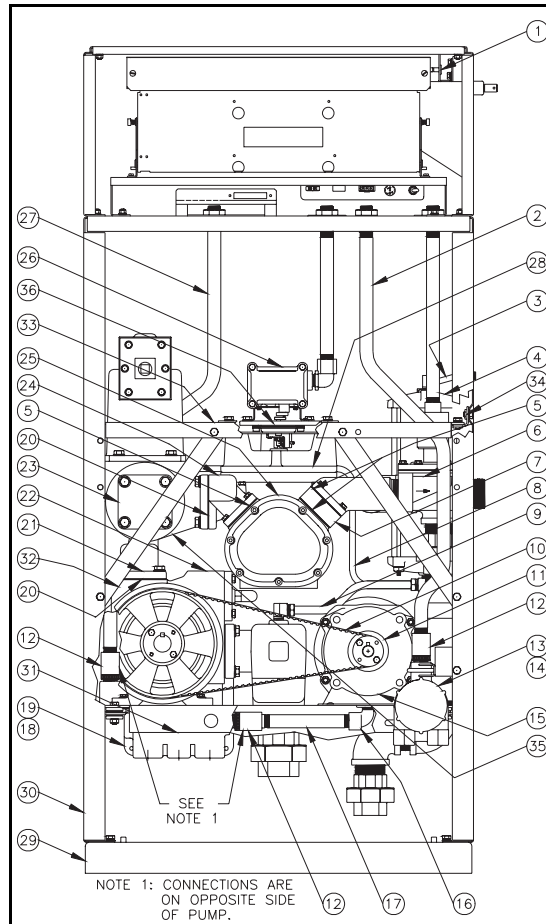


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022054	Conduit Assy., DC
3	063661	Vent Tube Assy. (No Longer Available)
4	026409	Float Assy.
5	027362	Gasket Flange, 1-1/2"
6	024308	Discharge Pipe Assy. (No Longer Available)
	070032	Valve Discharge Assy.
7	066925	Check Valve Assy.
8	065772	Tube Assy., Supply
9	065771	Tube Assy., Return
10	012129	Belt, Gearbelt
11	047612	Pulley, Gearbelt, 3/4 shaft motor
12	N16289-20	1/2" UNY Explosion-proof Cond Union

Item	Part No.	Description
13	003461	Junction Box Cover - Mchng
14	F37712	Motor, 1-1/2HP- Franklin, 3/4 shaft, 50 Hz
	F37340	Motor, 1-1/2HP- Franklin, 3/4 shaft, 220V, 60 Hz
15	003337	Junction Box, Mchng
16	021058	Cond Ftg 90° MXF
17	021377	Conduit, 1/2" X 6"
18	014141	AC Junction Box (No Longer Available)
19	022196	AC Junction Box Cover (No Longer Available)
20	027361	Gasket Flange, 2"
21	003602	Elbow, Flanged Pump Air Separator
22	048179	Pump and Platform Assy.
23	063287	Strainer Assy., Air Separator
24	003603	Elbow, Flanged, Air El to Meter
25	T18767	Meter, LC Model 9561
26	022081	Conduit-Pulser Assy., 9850
27	022053	Conduit Assy., AC
28	010075	Adapter and Gear Plate Assy, Gallon
	*028408	Gear Plate Only
	010092	Adapter and Gear Plate Assy, Liter
	*028403	Gear Plate Only
29	011399	Base Weld Assy.
30	026727	Frame Side
31	047064	Platform Pump and Meter Weld Assy.
32	015561	Column Brace (No Longer Available)
33	022305	Column Top Support (No Longer Available)
34	015603	Frame, Center Support (No Longer Available)
35	063288	Air Separator Assy.
36	015931	Bearing Drivetrain Assembly
37	M04193A001	Cable/Bracket Assembly, Single (Not Shown)

9850S Chassis

Figure 4-4: 9850S Chassis

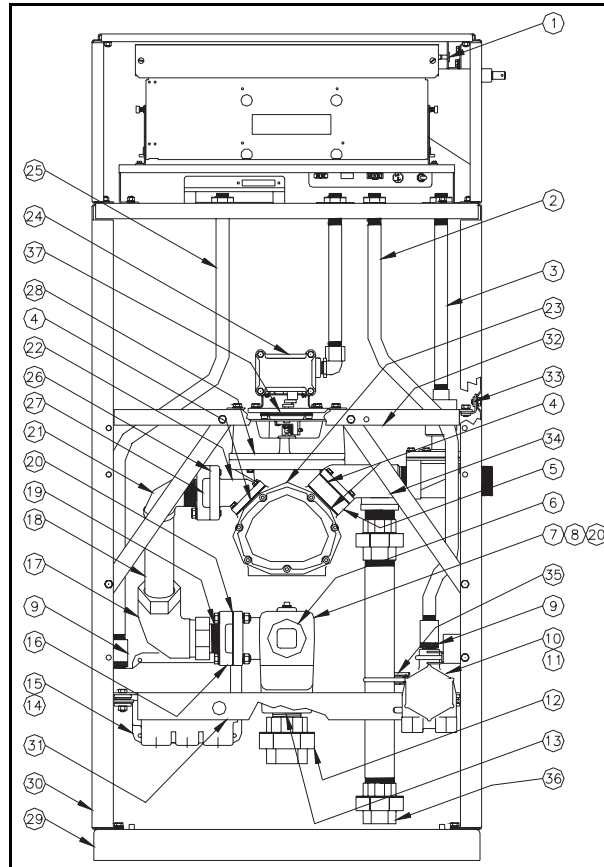


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022054	Conduit Assy., DC
3	063661	Vent Tube Assy. (No Longer Available)
4	026409	Float Assy.
5	027362	Gasket Flange, 1-1/2"
6	070037	Discharge, Satellite Pipe Assy.
7	066925	Check Valve Assy.
8	065772	Tube Assy., Supply
9	065771	Tube Assy., Return
10	012129	Belt, Gearbelt
11	047612	Pulley, Gearbelt, 3/4" shaft motor
12	N16289-20	1/2" UNY Explosion-proof Cond Union
13	003337	Junction Box, Mchng
14	003461	Junction Box Cover - Mchng

Item	Part No.	Description
15	F37712	Motor, 1-1/2HP- Franklin, 3/4 shaft, 50 Hz
	F37340	Motor, 1-1/2HP- Franklin, 3/4 shaft, 220V, 60 Hz
16	021058	Cond Ftg 90° MXF
17	021377	Conduit, 1/2" X 6"
18	014141	AC Junction Box (No Longer Available)
19	022196	AC Junction Box Cover (No Longer Available)
20	027361	Gasket flange, 2"
21	003602	Elbow, Flanged Pump Air Separator
22	048179	Pump and Platform Assy.
23	063287	Strainer Assy., Air Separator
24	003603	Elbow, Flanged, Air EI to Meter
25	T18767	Meter, LC Model 9561
26	022081	Conduit-Pulser Assy., 9850
27	022053	Conduit Assy., AC
28	010075	Adapter and Gear Plate Assy, Gallon
	*028408	Gear Plate Only
	010092	Adapter and Gear Plate Assy, Liter
	*028403	Gear Plate Only
29	011399	Base Weld Assy.
30	026727	Frame Side
31	047064	Platform Pump and Meter Weld Assy.
32	015561	Column Brace (No Longer Available)
33	022305	Column Top Support (No Longer Available)
34	015603	Frame, Center Support (No Longer Available)
35	063288	Air Separator Assy.
36	015931	Bearing Drivetrain Assembly
37	M04193A001	Cable/Bracket Assembly, Single (Not Shown)

9850X, 9850XS Chassis

Figure 4-5: 9850X, 9850XS Chassis

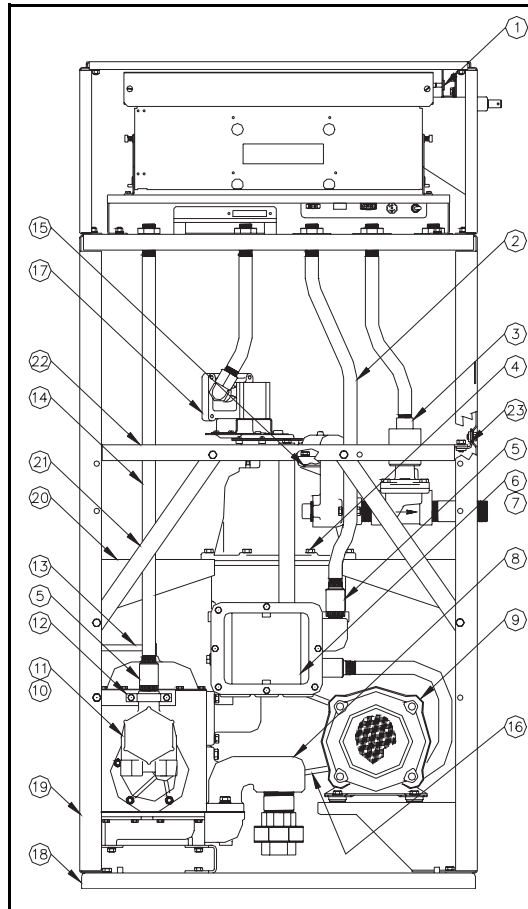


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022054	Conduit Assy., DC
3	070033	Valve Pipe Assy., (XS only)
	070032	Valve Discharge Assy.
4	027362	Gasket Flange, 1-1/2"
5	012003	Body Check Valve
6	063369	Strainer Assy.
7	003071	Base Pump Strainer Housing
8	003502	Cover, Strainer Base Pump
9	N16289-20	1/2" UNY Explosion-proof Cond Union
10	003337	Junction Box, Mchng
11	003461	Junction Box Cover - Mchng
12	K22468	Union, 2" Std Blk
13	038065	Pipe Tube, Close Nipple
14	014100	AC Junction Box

Item	Part No.	Description
15	022196	AC Junction Box Cover (No Longer Available)
16	026069	Flange, Pipe
17	022046	Ell Dresser® Style 65, 1-1/2" x 90°
18	045494	Pipe Toe, 1-1/2" x 7-1/2"
19	045487	Pipe Toe, 1-1/2" x 3-3/8"
20	027361	Gasket flange, 2"
21	Z00871	Elbow, Street 1-1/2 "x 90°
22	026080	Elbow, Flanged, 1-1/2 x 45° tapped
23	T18767	Meter, LC Model 9561
24	022081	Conduit-Pulser Assy., 9850
25	022085	Conduit Assy., DC
26	049027	O-Ring (LC 06854)
27	026069	Flange, 1-1/2" NPT
28	010075	Adapter and Gear Plate Assy., Gallon
	*028408	Gear Plate Only
	010092	Adapter and Gear Plate Assy, Liter
	*028403	Gear Plate Only
29	011399	Base Weld Assy.
30	026727	Frame Side
31	047064	Platform Pump and Meter Weld Assy.
32	022305	Column Top Support (No Longer Available)
33	015603	Frame, Center Support (No Longer Available)
34	015561	Column Brace (No Longer Available)
35	014733	Bracket, Satellite Pipe
36	K12179	Union, 1-1/2" #150 Stockham®
37	015931	Bearing Drivetrain Assembly
38	M04193A001	Cable/Bracket Assembly, Single (Not Shown)

9852, 9853 Chassis

Figure 4-6: 9852, 9853 Chassis

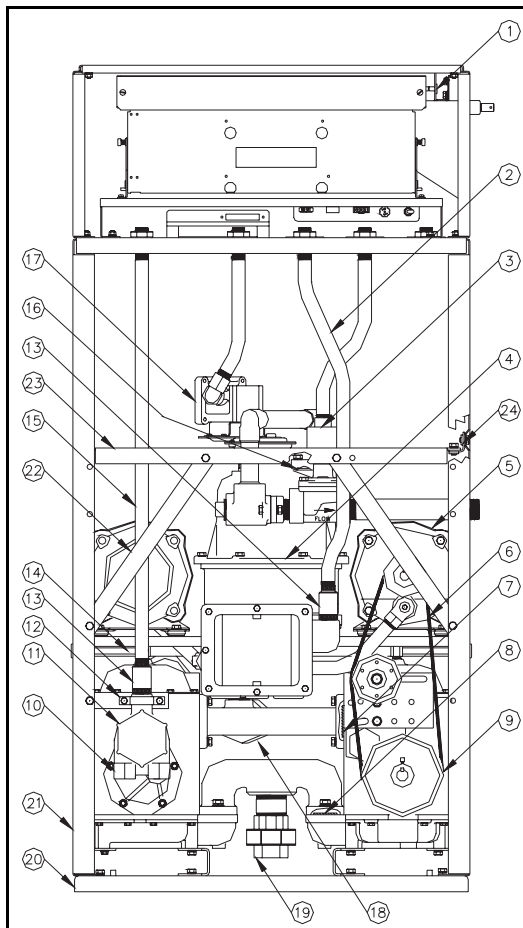


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022063	Conduit Assy.
3	097000	Discharge Assy, 9852 w/o valve (No Longer Available)
	097007	Discharge Assy, 9853 w/o valve (No Longer Available)
	097126	Discharge Valve Assy., 9853 (No Longer Available)
	097143	Discharge Valve Assy, 9853X, 220V, 50Hz, 9853 (No Longer Available)
	097125	Discharge Valve Assy, 9852X (No Longer Available)
	097142	Discharge Valve Assy, 9852X, 220V, 50Hz, 9852 (No Longer Available)
<i>See Discharge or Valve Discharge Assembly parts breakdown for your model.</i>		
4	035664	Meter Drive Assy., 9853TW2, Gallon
	035670	Meter Drive Assy., 9853TW2, Liter
<i>See Meter Drive Assembly parts breakdown for your model.</i>		
5	N16289-20	1/2" UNY Explosion-proof Cond Union
6	014102	AC Junction Box

Item	Part No.	Description
7	022196	AC Junction Box Cover (No Longer Available)
8	035443	Pumping Unit Assy., 9852 (No Longer Available)
	035442	Pumping Unit Assy., 9853 (No Longer Available)
<i>See Pumping Unit Assembly parts breakdown for your model.</i>		
9	037324	Motor Bracket Assy., 9853
	037327	Motor Bracket Assy., 220V, 50Hz, 9853
	037325	Motor Bracket Assy., 9852 (No Longer Available)
	037313	Motor Bracket Assy., 220V, 50Hz, 9852
<i>See Motor Assembly parts breakdown for your model.</i>		
10	003337	Junction Box, Mchng
11	003461	Junction Box Cover - Mchng
12	020740	Clamp, Junction Box, Red oxide
13	065836	Tube Assy., Vent 50, 52DTW1, 53HC
14	022059	Conduit Assy, DC
15	M49014	O-Ring, 1.296" x-.139" - 219 Viton
16	R06711-59	Belt, A37, 9853, 9852
	R06711-67	Belt-V, 4L370, 50Hz, 9852
	R06711-61	Belt-V 4L400, 50 Hz, 9853
17	022060	Conduit-Pulser Assy.
18	022321	Base Weld Assy.
19	026727	Frame Side
20	015529	Bracket, Meter Support
21	015561	Column Brace (No Longer Available)
22	022305	Column Top Support (No Longer Available)
23	015603	Frame, Center Support (No Longer Available)
24	M04193A001	Cable/Bracket Assembly, Single (Not Shown)

9853HC Chassis

Figure 4-7: 9853HC Chassis

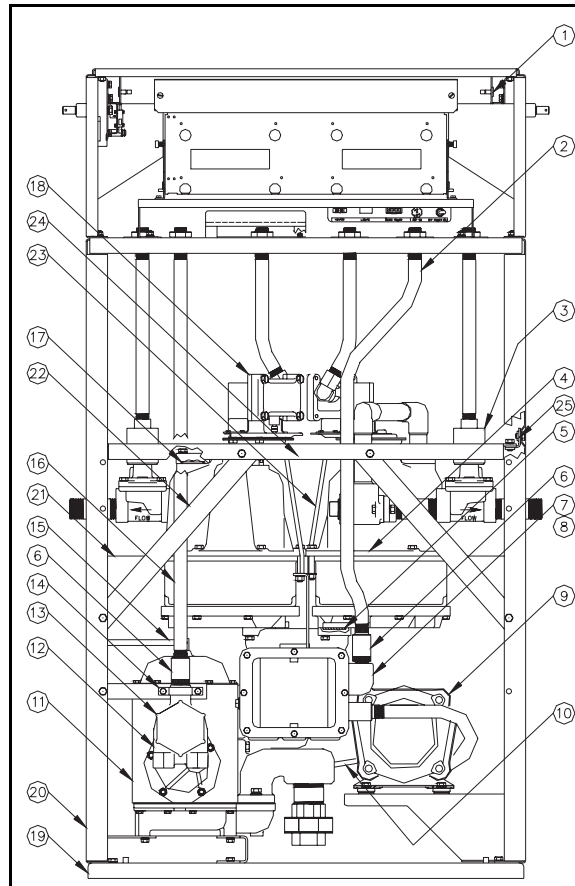


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022063	Conduit Assy.
3	097138	Discharge Valve Assy., 9853HC
	097139	Discharge Assy., 9853HC w/o valve (No Longer Available)
	097146	Discharge Valve Assy., 9853HC, 220V, 50Hz (No Longer Available)
	<i>See Discharge or Valve Discharge Assembly parts breakdown for your model.</i>	
4	035664	Meter Drive Assy., 9853TW2, Gallon
	035670	Meter Drive Assy., 9853TW2, Liter
	<i>See Meter Drive Assembly parts breakdown for your model.</i>	
5	037316	Motor Bracket Assy., 9853HC (No Longer Available)
	037314	Motor Bracket Assy., 9853HC, 50 Hz (No Longer Available)
	<i>See Motor Assembly parts breakdown for your model.</i>	
6	R06711-60	Belt, A36
7	027003	Gasket

Item	Part No.	Description
8	027001	Pump Inlet Gasket
9	048725	Pumping Unit Assy., 9853HC
<i>See Pumping Unit Assembly parts breakdown for your model.</i>		
10	003337	Junction Box, Mchng
11	003461	Junction Box Cover - Mchng
12	020740	Clamp, Junction Box, Red oxide
13	N16289-20	1/2" UNY Explosion-proof Cond Union
14	065836	Tube Assy., Vent 50, 52DTW1, 53HC
15	022059	Conduit Assy, DC
16	M49014	O-Ring, 1-1/4" x 1-1/2" Buna-N
17	022060	Conduit-Pulser Assy.
18	024314	Pump Disc Assy., 9853HC
<i>See 9853HC Pump Discharge parts breakdown.</i>		
19	035291	Manifold Assy., 9853HC
<i>See 9853HC Manifold parts breakdown.</i>		
20	022321	Base Weld Assy.
21	026727	Frame Side
22	015561	Column Brace (No Longer Available)
23	022305	Column Top Support (No Longer Available)
24	015603	Frame, Center Support (No Longer Available)
25	M04193A001	Cable/Bracket Assembly, Single (Not Shown)

9852TW1 Chassis

Figure 4-8: 9852TW1 Chassis

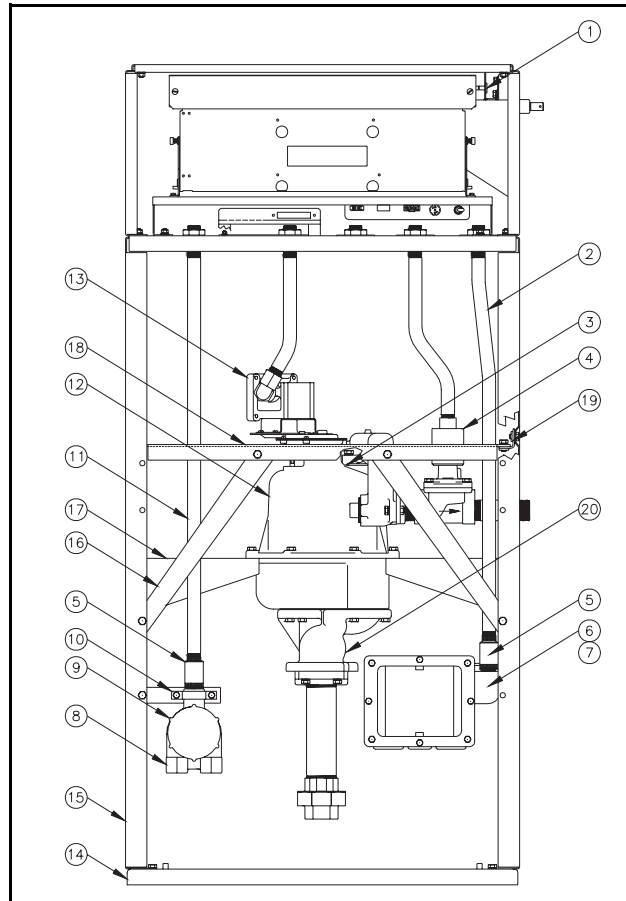


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022064	Conduit Assy., AC, 9852TW1
3	097123	Discharge Valve Assy., 9852XTW (No Longer Available)
	097124	Discharge Valve Assy., 9853XTW
<i>See Discharge or Valve Discharge Assembly parts breakdown for your model.</i>		
4	035664	Meter Drive Assy., 9853TW2, Gallon
<i>See Meter Drive Assembly parts breakdown for your model.</i>		
5	027004	Gasket
6	N16289-20	1/2" UNY Explosion-proof Cond Union
7	014102	AC Junction Box
8	022196	AC Junction Box Cover (No Longer Available)
9	037326	Motor Bracket Assy., 9852TW1 (No Longer Available)
<i>See Motor Assembly parts breakdown for your model.</i>		
10	R06711-59	Belt, A37
11	035444	Pumping Unit Assy., TW1-HS

Item	Part No.	Description
<i>See Pumping Unit Assembly parts breakdown for your model.</i>		
12	003337	Junction Box, Mchng
13	003461	Junction Box Cover - Mchng
14	020740	Clamp, Junction Box, Red Oxide
15	065838	Tube Assy., Vent
16	022059	Conduit Assy, DC
17	M49014	O-Ring, 1-1/4" x 1-1/2" Buna-N
18	022060	Conduit-Pulser Assy.
19	022314	Base Weld Assy.
20	026727	Frame Side
21	015523	Bracket, Meter Support
22	015514	Column Brace
23	015534	Meter Mounting Bracket
24	022307	Column Top Support
25	015603	Frame, Center Support (No Longer Available)
26	C06518	Cable/Bracket Assembly, Twin (Not Shown)

9852X, 9853X Chassis

Figure 4-9: 9852X, 9853X Chassis

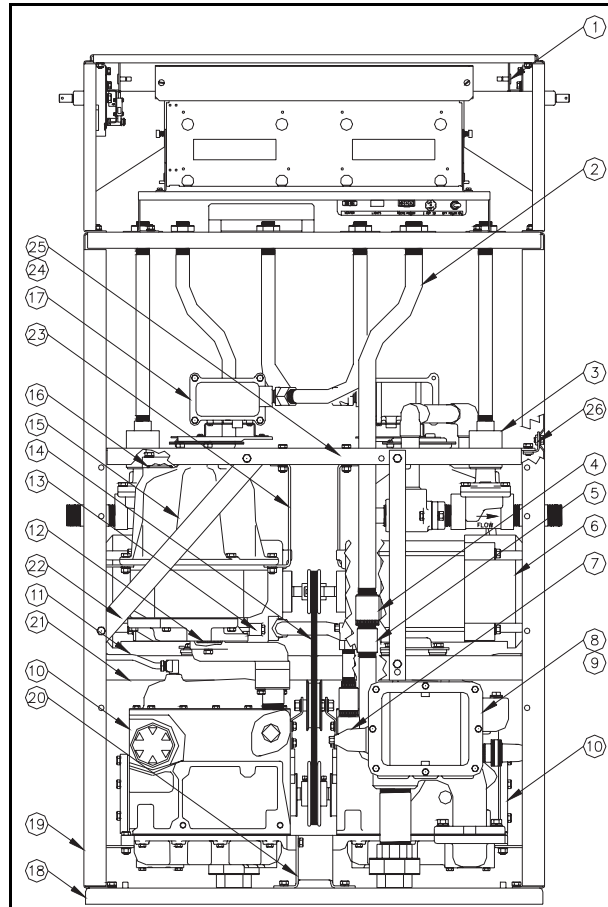


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022056	Conduit Assy.
3	M49014	O-Ring, 1-1/4" x 1-1/2" Buna-N
4	097125	Discharge Valve Assy, 9852X (No Longer Available)
	097142	Discharge Valve Assy, 9852X, 220V, 50Hz, 9852 (No Longer Available)
	097126	Discharge Valve Assy., 9853 (No Longer Available)
	097143	Discharge Valve Assy, 9853X, 220V, 50Hz, 9853 (No Longer Available)
<i>See Discharge or Valve Discharge Assembly parts breakdown for your model.</i>		
5	N16289-20	1/2" UNY Explosion-proof Cond Union
6	014100	AC Junction Box
7	022196	AC Junction Box Cover (No Longer Available)
8	003337	Junction Box, Mchng
9	003461	Junction Box Cover - Mchng
10	020740	Clamp, Junction Box, Red Oxide
11	022059	Conduit Assy, DC

Item	Part No.	Description
12	035662	Meter Drive Assy., 9852XTW2, Gallon
	035667	Meter Drive Assy., 9852XTW2, Liter
<i>See Meter Drive Assembly parts breakdown for your model.</i>		
13	022060	Conduit-Pulser Assy.
14	022321	Base Weld Assy.
15	026727	Frame Side
16	015561	Column Brace (No Longer Available)
17	015529	Bracket, Meter Support
18	022305	Column Top Support (No Longer Available)
19	015603	Frame, Center Support (No Longer Available)
20	063312	Strainer, Gasoline
	063313	Strainer, Diesel
21	C06518	Cable/Bracket Assembly, Twin (Not Shown)

9852TW2, 9853TW2 Chassis

Figure 4-10: 9852TW2, 9853TW2 Chassis

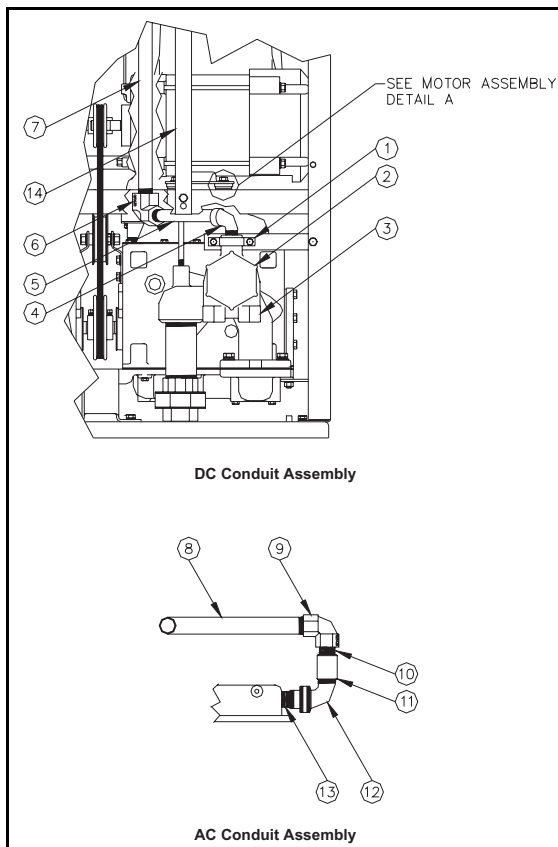


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022057	Conduit Assy., AC, 9853/9852TW2
3	097128	Discharge Valve Assy., 9852TW2
	097130	Discharge Assy., 9852TW2 w/o valve (No Longer Available)
	097145	Discharge Valve Assy., 9852TW2, 220V, 50Hz (No Longer Available)
	097127	Discharge Valve Assy., 9853TW2
	097129	Discharge Assy., 9853TW2 w/o valve
	097144	Discharge Valve Assy., 9853TW2, 220V, 50Hz (No Longer Available)
<i>See Discharge or Valve Discharge Assembly parts breakdown for your model.</i>		
4	066401	Union, Conduit, Explosion proof, 3/4"
5	021041	Conduit, 3/4" Coupling, FXF Alum.

Item	Part No.	Description
6	037319	Motor Assy., Right Side, 9852TW2 (No Longer Available)
	037310	Motor Assy., Right Side, 9852TW2, 50 Hz (No Longer Available)
	037318	Motor Assy., Right Side, 9853TW2 (No Longer Available)
	037309	Motor Assy., Right Side, 9853TW2, 50 Hz (No Longer Available)
<i>See Motor Assembly parts breakdown for your model.</i>		
7	014151	Conduit Conn.
8	014101	AC Junction Box
9	022196	AC Junction Box Cover (No Longer Available)
10	035446	Pumping Unit Assy., 9852TW2 (No Longer Available)
	035445	Pumping Unit Assy., 9853TW2 (No Longer Available)
<i>See Pumping Unit Assembly parts breakdown for your model.</i>		
11	065837	Tube Assy., Vent
12	027004	Gasket
13	037321	Motor Assy., Left Side, 9852TW2 (No Longer Available)
	037312	Motor Assy., Left Side, 9852TW2, 50 Hz (No Longer Available)
	037320	Motor Assy., Left Side, 9853TW2 (No Longer Available)
<i>See Motor Assembly parts breakdown for your model.</i>		
	037311	Motor Assy., Left Side, 9853TW2, 50 Hz (No Longer Available)
14	R06711-48	Belt, A33
	R06711-65	Belt, A34, 50 Hz
15	035664	Meter Drive Assy., 9853TW2, Gallon
	035670	Meter Drive Assy., 9853TW2, Liter
<i>See Meter Drive Assembly parts breakdown for your model.</i>		
16	M49014	O-Ring, 1-1/4" x 1-1/2" Buna-N
17	022061	Conduit-Pulser Assy., 9853TW2
18	022314	Base Weld Assy.
19	026727	Frame Side
20	015528	Bracket, Pump Support
21	063948	Motor Plate Weld
22	015514	Column Brace
23	015552	Bracket, Meter Mounting
24	022307	Column Top Support (Long)
25	063922	Motor-Meter Support (Short)
26	015603	Frame, Center Support (No Longer Available)
27	C06518	Cable/Bracket Assembly, Twin (Not Shown)

9852TW2, 9853TW2 Chassis Detail

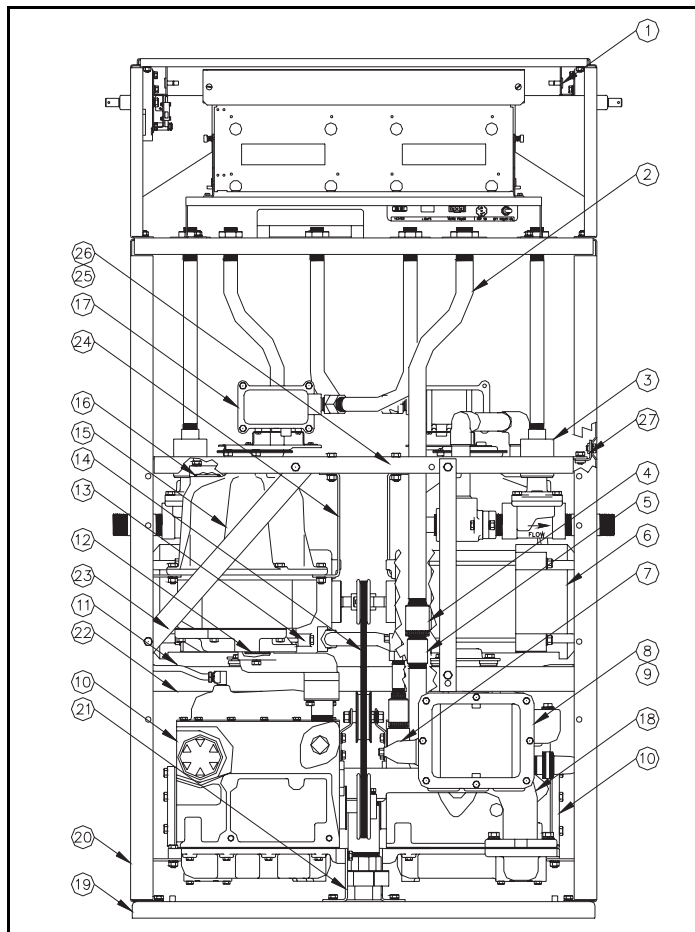
Figure 4-11: 9852TW2, 9853TW2 Chassis Detail



Item	Part No	Description
1	020740	Clamp, Junction Box, Red Oxide
2	003337	Junction Box, Mchng
3	003461	Junction Box Cover - Mchng
4	021058	Cond Ftg 90° HXF
5	021374	Conduit 1/2" x 5"
6	025030	Elbow, Conduit, 1/2 x 90° F/F Mch
7	022058	Conduit Assy., DC, 9853, 9852TW2
8	022049	Conduit, Bent, AC, 9853TW2 (No Longer Available)
9	025128	Ell Conduit, 3/4" MPT F/F
10	038217	Nipple, Conduit, Close, 3/4" x 1-5/8"
11	021041	Conduit, 3/4" Coupling, FXF Alum.
12	021037	Conduit, 3/4" Union Elbow, 90° MXFKILLARK
13	038214	Nipple, Conduit, Close, 3/4" x 1-1/2"
14	015589	Support Strap
See Motor Assembly - Detail A for further parts breakdown.		

9853TW1M Chassis

Figure 4-12: 9853TW1M Chassis

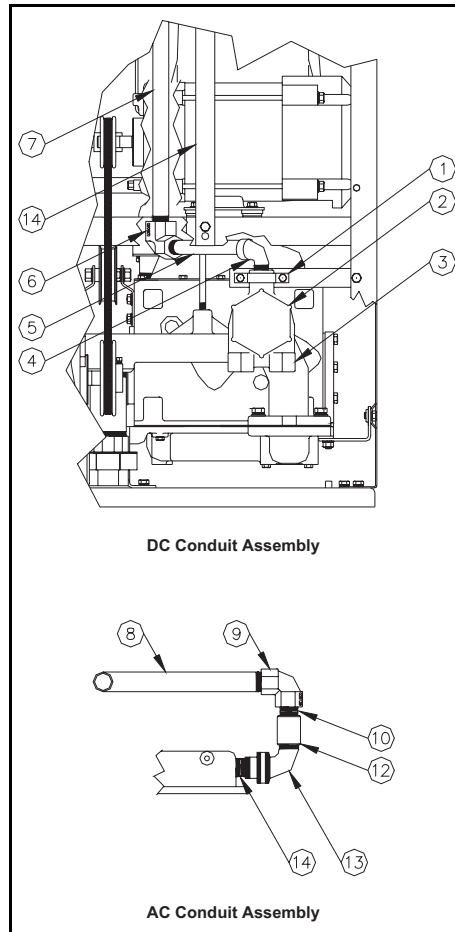


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022057	Conduit Assy., AC, 9853/9852TW2
3	097128	Discharge Valve Assy., 9852TW2
	097130	Discharge Assy., 9852TW2 w/o valve (No Longer Available)
	097145	Discharge Valve Assy., 9852TW2, 220V, 50Hz (No Longer Available)
	097127	Discharge Valve Assy., 9853TW2
	097129	Discharge Assy., 9853TW2 w/o valve
	097144	Discharge Valve Assy., 9853TW2, 220V, 50Hz (No Longer Available)
<i>See Discharge or Valve Discharge Assembly parts breakdown for your model.</i>		
4	066401	Union, Conduit, Explosion proof, 3/4"
5	021041	Conduit, 3/4" Coupling, FXF Alum.

Item	Part No.	Description
6	037319	Motor Assy., Right Side, 9852TW2 (No Longer Available)
	037310	Motor Assy., Right Side, 9852TW2, 50 Hz (No Longer Available)
	037318	Motor Assy., Right Side, 9853TW2 (No Longer Available)
	037309	Motor Assy., Right Side, 9853TW2, 50 Hz (No Longer Available)
<i>See Motor Assembly parts breakdown for your model.</i>		
7	014151	Conduit Conn.
8	014101	AC Junction Box
9	022196	AC Junction Box Cover (No Longer Available)
10	035439	Pumping Unit Assy., 9853TW1M (No Longer Available)
<i>See Pumping Unit Assembly parts breakdown for your model.</i>		
11	065837	Tube Assy., Vent
12	027004	Gasket
13	037321	Motor Assy., Left Side, 9852TW2 (No Longer Available)
	037312	Motor Assy., Left Side, 9852TW2, 50 Hz (No Longer Available)
	037320	Motor Assy., Left Side, 9853TW2 (No Longer Available)
	037311	Motor Assy., Left Side, 9853TW2, 50 Hz (No Longer Available)
<i>See Motor Assembly parts breakdown for your model.</i>		
14	R06711-48	Belt, A33
	R06711-65	Belt, A34, 50 Hz
15	035664	Meter Drive Assy., 9853TW2, Gallon
	035670	Meter Drive Assy., 9853TW2, Liter
<i>See Meter Drive Assembly parts breakdown for your model.</i>		
16	M49014	O-Ring, 1-1/4" x 1-1/2" Buna-N
17	022061	Conduit-Pulser Assy., 9853TW2
18	035290	Manifold Assy., 9853
<i>See Manifold parts breakdown for your model.</i>		
19	022314	Base Weld Assy.
20	026727	Frame Side
21	015528	Bracket, Pump Support
22	063948	Motor Plate Weld
23	015514	Column Brace
24	015552	Bracket, Meter Mounting Assy.
25	022307	Column Top Support (Long)
26	063922	Motor-Meter Support (Short)
27	015603	Frame, Center Support (No Longer Available)
28	C06518	Cable/Bracket Assembly, Twin (Not Shown)

9853TW1M Chassis Detail

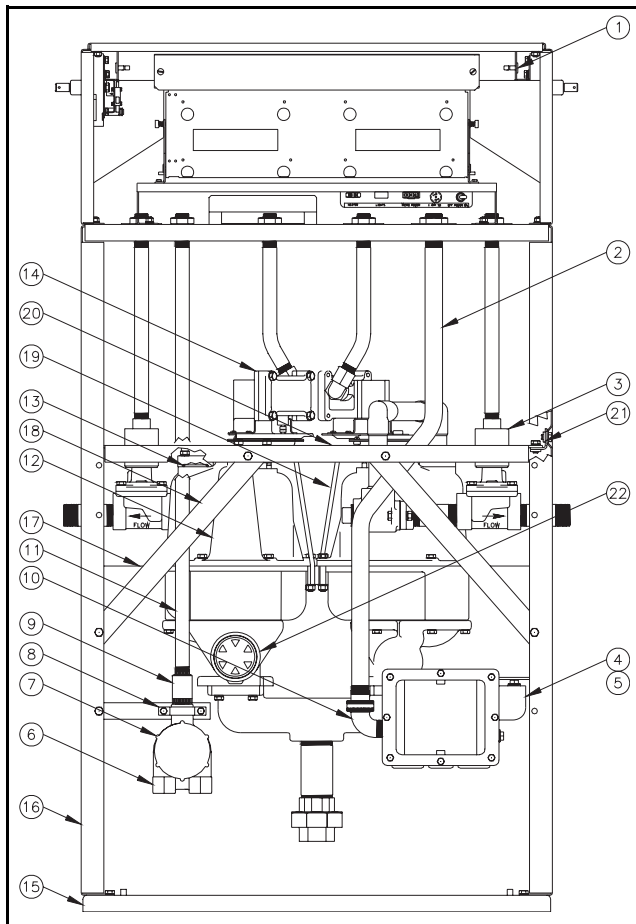
Figure 4-13: 9853TW1M Chassis Detail



Item	Part No.	Description
1	020740	Clamp, Junction Box, Red Oxide
2	003461	Junction Box Cover - Mchng
3	003337	Junction Box, Mchng
4	021058	Cond Ftg 90° HXF
5	021374	Conduit 1/2" x 5"
6	025030	Elbow, Conduit, 1/2" x 90° F/F Mch
7	022058	Conduit Assy., DC, 9853, 9852TW2
8	022049	Conduit, Bent, AC, 9853TW2 (No Longer Available)
9	025128	Ell Conduit, 3/4" MPT F/F
10	038217	Nipple, Conduit, Close, 3/4" x 1-5/8"
11	038214	Nipple, Conduit, Close, 3/4" x 1-1/2"
12	021041	Conduit, 3/4" Coupling, FXF Alum.
13	021037	Conduit, 3/4" Union Elbow, 90° MXFKILLARK
14	015589	Support Strap

9852XTW1, 9853XTW1 Chassis

Figure 4-14: 9852XTW1, 9853XTW1 Chassis

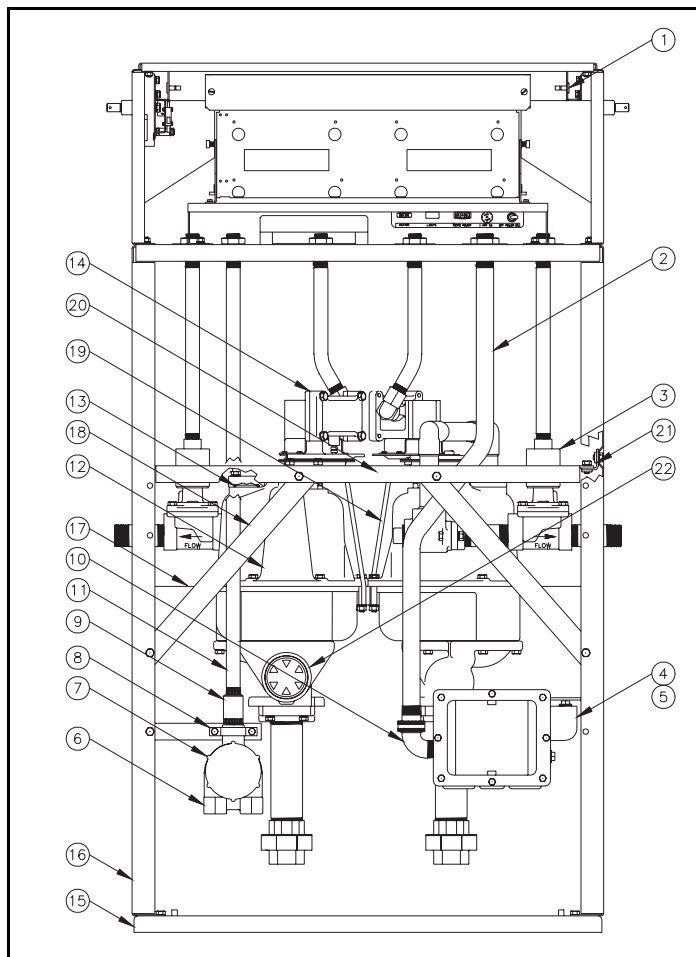


Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022055	Conduit Assy., AC
3	097123	Discharge Valve Assy., 9852XTW (No Longer Available)
	097141	Discharge Valve Assy., 9852XTW, 220V, 50Hz (No Longer Available)
	097124	Discharge Valve Assy., 9853XTW
	097140	Discharge Valve Assy., 9853XTW, 220V, 50Hz
<i>See Discharge or Valve Discharge Assembly parts breakdown for your model.</i>		
4	014102	AC Junction Box
5	022196	AC Junction Box Cover (No Longer Available)
6	003337	Junction Box, Mchng
7	003461	Junction Box Cover - Mchng
8	020740	Clamp, Junction Box, Red Oxide
9	N16289-20	1/2" UNY Explosion-proof Cond Union
10	021037	Conduit, 3/4" Union Elbow, 90° MXFKILLARK

Item	Part No.	Description
11	022059	Conduit Assy, DC
12	035663	Meter Drive Assy., 9852XTW1, Gallon
	035668	Meter Drive Assy., 9852XTW1, Liter
<i>See Meter Drive Assembly parts breakdown for your model.</i>		
13	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
14	022060	Conduit-Pulser Assy.
15	022314	Base Weld Assy.
16	026727	Frame Side
17	015523	Bracket, Meter Support
18	015514	Column Brace
19	015534	Meter Mounting Bracket Weld
20	022307	Column Top Support
21	015603	Frame, Center Support (No Longer Available)
22	063312	Strainer, Gasoline
	063313	Strainer, Diesel
23	C06518	Cable/Bracket Assembly, Twin (Not Shown)

9852XTW2, 9853XTW2 Chassis

Figure 4-15: 9852XTW2, 9853XTW2 Chassis



Item	Part No.	Description
1	045987	Plate-Bearing Assy.
2	022055	Conduit Assy., AC
3	097123	Discharge Valve Assy., 9852XTW (No Longer Available)
	097141	Discharge Valve Assy., 9852XTW, 220V, 50Hz (No Longer Available)
	097124	Discharge Valve Assy., 9853XTW
	097140	Discharge Valve Assy., 9853XTW, 220V, 50Hz
<i>See Discharge or Valve Discharge Assembly parts breakdown for your model.</i>		
4	014102	AC Junction Box
5	022196	AC Junction Box Cover (No Longer Available)
6	003337	Junction Box, Mchng
7	003461	Junction Box Cover - Mchng
8	020740	Clamp, Junction Box, Red Oxide
9	N16289-20	1/2" UNY Explosion-proof Cond Union

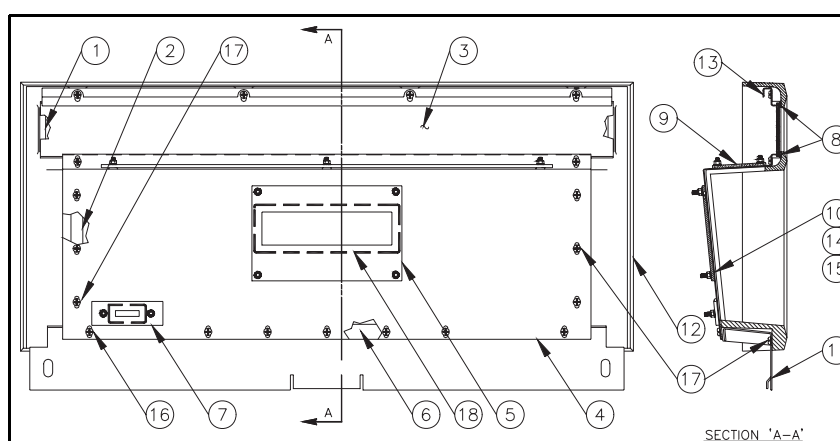
Item	Part No.	Description
10	021037	Conduit, 3/4" Union Elbow, 90° MXFKILLARK
11	022059	Conduit Assy, DC
12	035662	Meter Drive Assy., 9852XTW2, Gallon
	035667	Meter Drive Assy., Liter
<i>See Meter Drive Assembly parts breakdown for your model.</i>		
13	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
14	022060	Conduit-Pulser Assy.
15	022314	Base Weld Assy.
16	026727	Frame Side
17	015523	Bracket, Meter Support
18	015514	Column Brace
19	015534	Meter Mounting Bracket Weld
20	022307	Column Top Support
21	015603	Frame, Center Support (No Longer Available)
22	063312	Strainer, Gasoline
	063313	Strainer, Diesel
23	C06518	Cable/Bracket Assembly, Twin (Not Shown)

5 – Assembly Breakdowns

9800 Single Dial Enclosure

Models: 9852, 9853, 9852X, 9853X, 9853HC, 9850, 9850X

Figure 5-1: 9800 Single Dial Enclosure



Item	Part No.	Description
	026117	Single Dial Enclosure Assembly <i>Note: Includes all parts listed below. Items 4, 10, and 12 cannot be ordered separately. Standard assembly is silkscreened for gallons. If your unit of measure is different, order the correct decal, item 14</i>
1	027019	Gasket Display Glass Side
2	027019	Gasket Dial Enclosure, Sides
3	028837	Display Glass
4		Dial Enclosure, Weld <i>Note: Must order entire assembly.</i>
5	028753	Dial Glass (See NOTE)
6	027019	Gasket, Dial Enclosure, Bottom
7	022434	Cover, Mag Switch (See NOTE)
8	027019	Gasket, Display Glass T & B
9	033716	Lens (See NOTE)
10		Graphics Panel (Must order entire assembly)
11	011366	Bracket, Dial Latch Bar, Plastic Bezel
	015800	Bracket, Dial Latch Bar, Aluminum Bezel
12		Bezel, Plastic, Injection Molded (Must order entire assembly)
13	011309	Bracket, Latch Bar Bezel, Single
14	028977	Measure Decal "Litres"

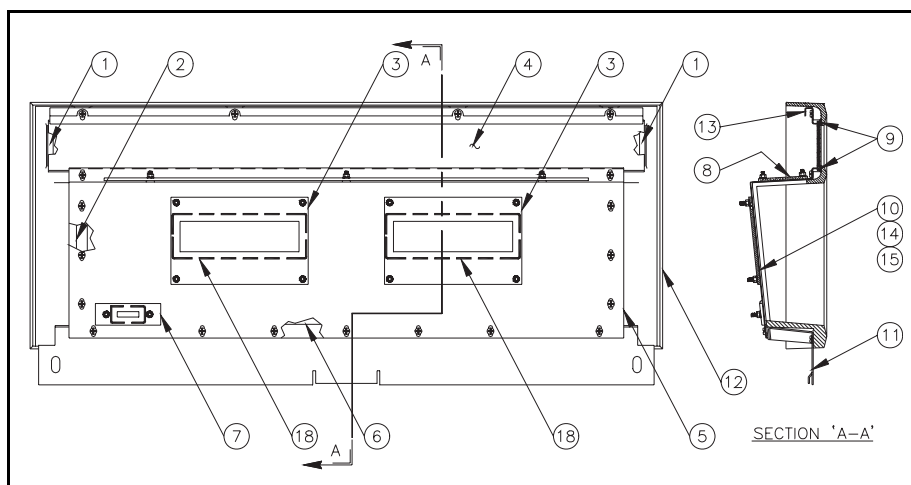
Item	Part No.	Description
	028978	Measure Decal "Liters"
	028979	Measure Decal "Litros"
	028980	Measure Decal "Galones"
15	M04402B001	Brand decal, Gasboy
16	Q11769-29	Screw, Tap Pan Hd #8-32 x 3/8 (7 across bottom sheet metal)
17	053640	Screw, 8-18 x 3/8 PH PH Type B ZP
18	C08099	Silicone Sealant

Note: When replacing individual components such as the dial glass or lens, you must use silicon sealant to properly seal the unit from external moisture.

9800 Twin Dial Enclosure

Models: 9853TW2, 9852TW2, 9853TW1M, 9852TW1, 9853XTW, 9852XTW, 9850XTW

Figure 5-2: 9800 Twin Dial Enclosure

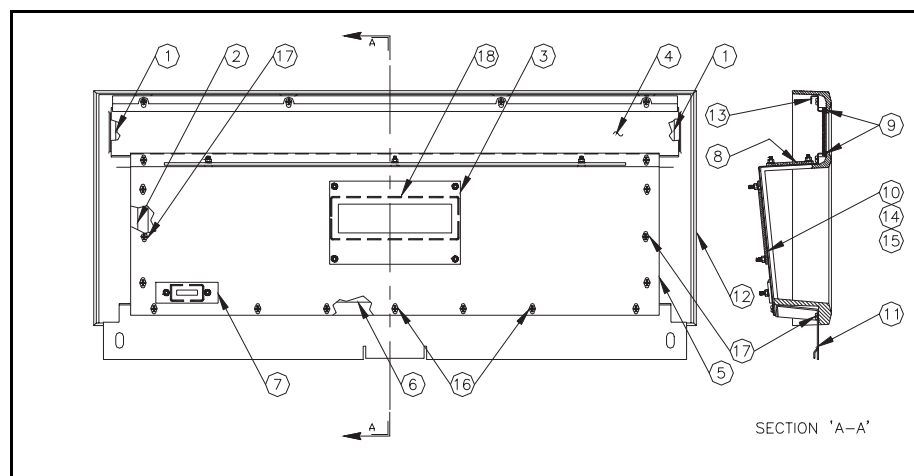


Item	Part No.	Description
	026119	Twin Dial Enclosure Assembly. <i>Note: Includes all parts listed below. Items 5, 10, and 12 cannot be ordered separately. Standard assembly is silkscreened for gallons. If your unit of measure is different, order the correct decal, item 14).</i>
1	027019	Gasket Display Glass Side
2	027019	Gasket Dial Enclosure, Sides
3	028753	Dial Glass (See NOTE below)
4	028839	Display Glass
5		Dial Enclosure, Weld Must order entire assembly
6	027019	Gasket, Dial Enclosure, Bottom
7	022434	Cover, Mag Switch (See NOTE below)
8	033716	Lens (See NOTE below)
9	027019	Gasket, Display Glass T & B
10		Graphics Panel (Must order entire assembly)
11	011367	Bracket, Dial Latch Bar, Twin, Plastic Bezel
	015801	Bracket, Dial Latch Bar, Twin, Aluminum Bezel
12		Bezel, Twin, Plastic, Injection Molded <i>Note: Must order entire assembly.</i>
13	011308	Bracket, Latch Bar Bezel, Twin
14	028977	Measure Decal "Litres" (Order two)
	028978	Measure Decal "Liters" (Order two)
	028979	Measure Decal "Litros" (Order two)
	028980	Measure Decal "Galones" (Order two)

Note: When replacing individual components such as the dial glass or lens, you must use silicone sealant to properly seal the unit from external moisture.

9840 Dial Enclosure

Figure 5-3: 9840 Dial Enclosure



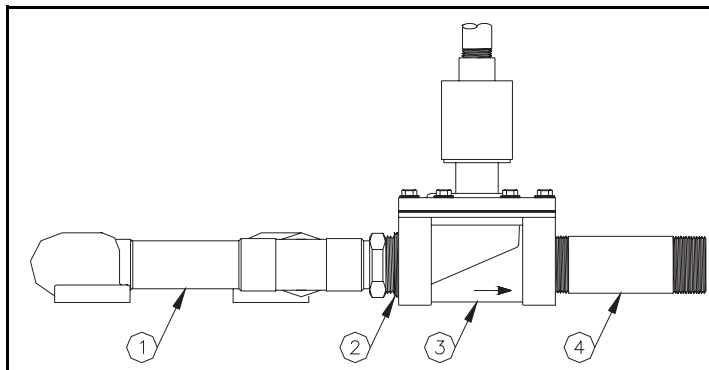
Item	Part No.	Description
	026126	Twin Dial Enclosure Assembly <i>Note: Includes all parts listed below. Items 5, 10, and 12 cannot be ordered separately. Standard assembly is silkscreened for gallons. If your unit of measure is different, order the correct decal, item 14</i>
1	027019	Gasket Display Glass Side
2	027019	Gasket Dial Enclosure, Sides
3	028753	Dial Glass (See NOTE)
4	028839	Display Glass
5		Dial Enclosure, Weld <i>Note: Must order entire assembly</i>
6	027019	Gasket, Dial Enclosure, Bottom
7	022434	Cover, Mag Switch (See NOTE)
8	033716	Lens (See NOTE)
9	027019	Gasket, Display Glass T & B
10		Graphics Panel <i>Note: Must order entire assembly.</i>

Item	Part No.	Description
11	011367	Bracket, Dial Latch Bar, Plastic Bezel
	015801	Bracket, Dial Latch Bar
12		Bezel, Plastic, Injection Molded, Twin <i>Note: Must order entire assembly.</i>
13	011308	Bracket, Latch Bar Bezel, Twin
14	028977	Measure Decal "Litres"
	028978	Measure Decal "Liters"
	028979	Measure Decal "Litros"
	028980	Measure Decal "Galones"
15	M04402B001	Brand decal, Gasboy
16	Q11769 29	Screw, Tap Pan Hd #8-32 x 3/8 (7 across bottom sheet metal)
17	053640	Screw, 8-18 x 3/8 PH PH Type B ZP
18	C08099	Silicone Sealant

Note: When replacing individual components such as the dial glass or lens, you must use silicone sealant to properly seal the unit from external moisture.

9840 Discharge Valve Assembly

Figure 5-4: 9840 Discharge Valve Assembly

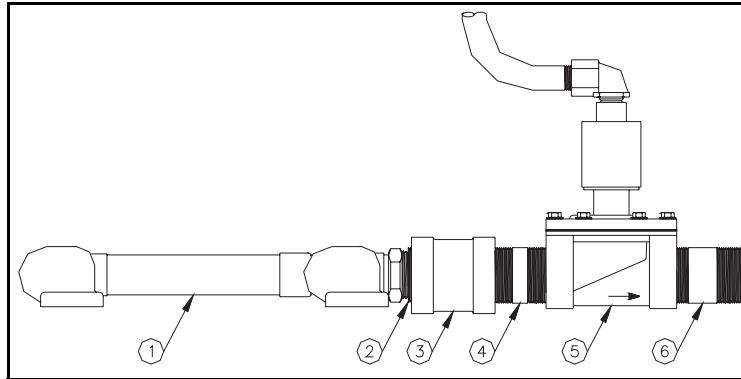


Item	Part No.	Description
1		Discharge Assy., Braze (See NOTE below)
2	017141	Bushing, 1-1/2 x 1-1/4 Face
3	070067	Conduit Valve Assy., 220V
4	R11493-92	Pipe Tube 1-1/2 x 4-3/4

Note: If replacing brazed discharge assembly, order part number 032131.

9840X Discharge Valve Assembly

Figure 5-5: 9840X Discharge Valve Assembly

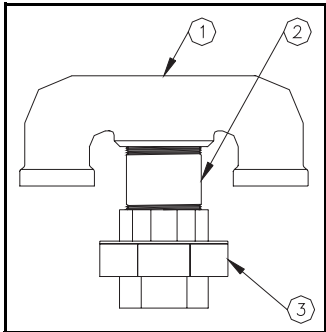


Item	Part No.	Description
1		Discharge Assy., Braze (See NOTE below)
2	017141	Bushing, 1-1/2" x 1-1/4" Face
3	021969	Coupling, 1-1/2 300# Mall
4	R11493-75	Pipe Tube 1-1/2 x 3
5	070068	Conduit Valve Assy.
6	R11493-84	Pipe Tube 1-1/2 x 2-1/2

Note: If you are replacing brazed discharge assembly, order part number 032133.

9840 Manifold Assembly

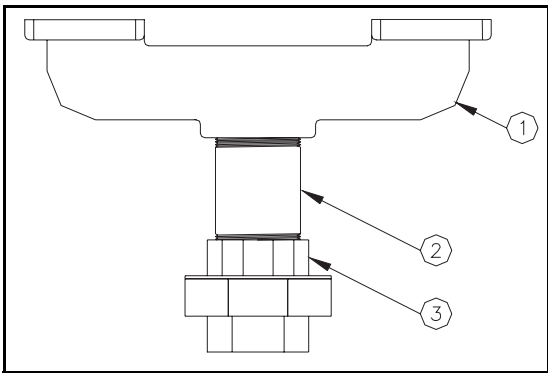
Figure 5-6: 9840 Manifold Assembly



Item	Part No.	Description
1	048159	Pump Inlet
2	044946	Pipe Tube 2 x 3
3	K22468	Union, 2" Std Blk

9840X Manifold Assembly

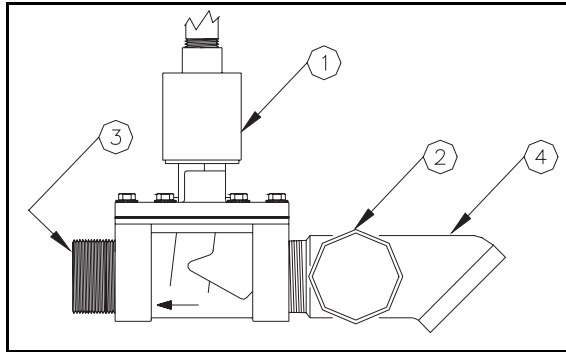
Figure 5-7: 9840X Manifold Assembly



Item	Part No.	Description
1	035322	Manifold
2	044946	Pipe Tube 2" x 3"
3	K22468	Union, 2" Std Blk

9850, 9850x Valve Discharge

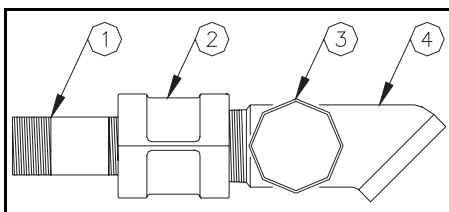
Figure 5-8: 9850, 9850x Valve Discharge



Item	Part No.	Description
1	022067	Conduit Valve, Assy.
	021874	Conduit Valve, Assy., 9850, 220V, 60 Hz
2	M05760B001	Cap Pipe, 1-1/2
3	R11493-77	Pipe Tube, 1-1/2 x 1-3/4 Close
4	003608	Elbow, Meter Discharge

9850, 9850X Discharge

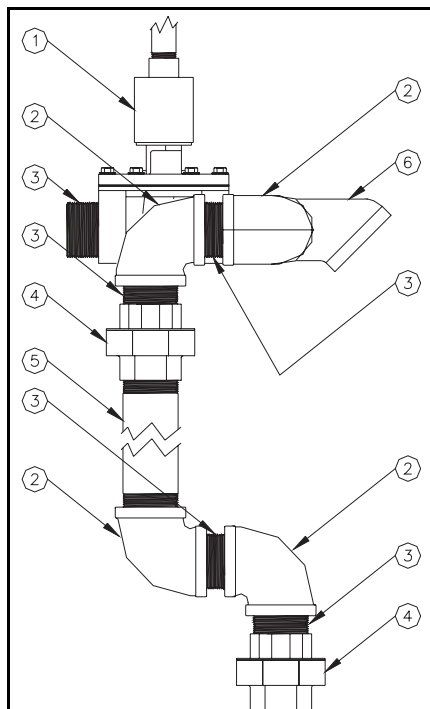
Figure 5-9: 9850, 9850x Discharge



Item	Part No.	Description
1	R11493-23	Pipe Tube 1-1/2 x 3-1/2
2	021969	Coupling, 1-1/2 300# Mall
3	M05760B001	Cap Pipe, 1-1/2
4	003608	Elbow, Meter Discharge

9850S Discharge, Satellite Pipe Assembly

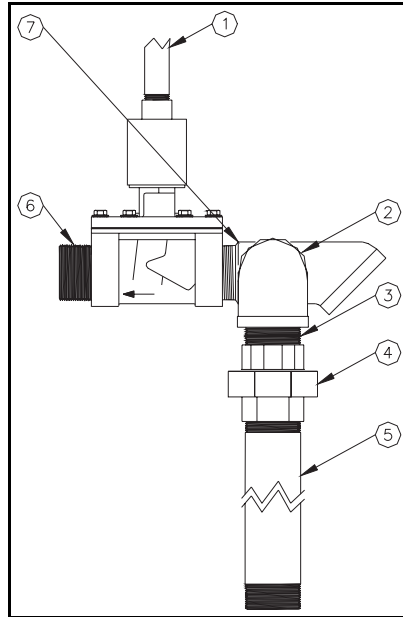
Figure 5-10: 9850S Discharge, Satellite Pipe Assembly



Item	Part No.	Description
1	022067	Conduit Valve, Assy.
	021874	Conduit Valve, Assy., 9850, 220V, 60 Hz
2	K46046	Elbow, 1-1/2 x 90° Mall
3	R11493-77	Pipe Tube, 1-1/2 x 1-3/4 Close
4	K12179	Union, 1-1/2 #150 Stockham
5	R11493-96	Pipe Tube, 1-1/2 x 10
6	003608	Elbow, Meter Discharge

9850XS Discharge, Valve Pipe Assembly

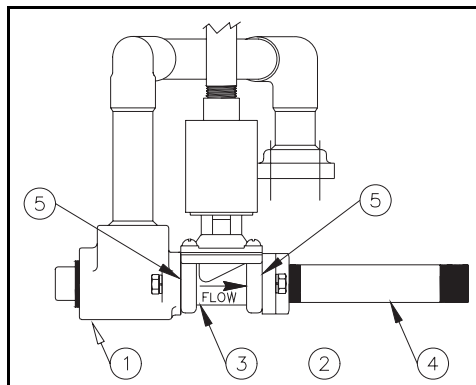
Figure 5-11: 9850XS Discharge, Valve Pipe Assembly



Item	Part No.	Description
1	022067	Conduit Valve, Assy.
	021874	Conduit Valve, Assy., 9850, 220V, 60 Hz
2	K46046	Elbow, 1-1/2 x 90° Mall
3	R11493-84	Pipe Tube 1-1/2 x 2-1/2
4	K12179	Union, 1-1/2 #150 Stockham
5	043809	Pipe Tube 1-1/2 x 15-1/4
6	R11493-77	Pipe Tube, 1-1/2 x 1-3/4 Close
7	003608	Elbow, Meter Discharge

9852TW2 Valve Discharge

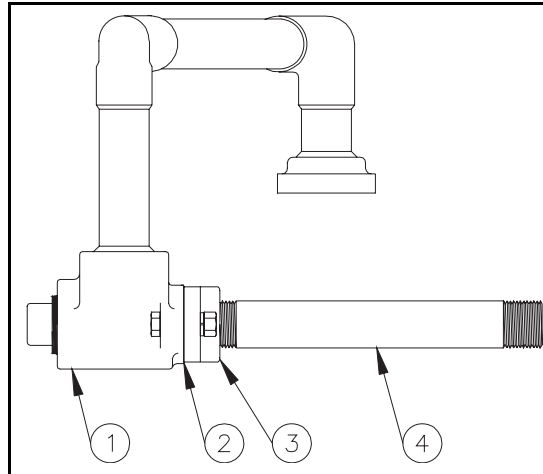
Figure 5-12: 9852TW2 Valve Discharge



Item	Part No.	Description
1	024305	Discharge Assy.
2	026074	Meter Flange - 3/4" NPT
3	070060	Conduit Valve Assy., 9852TW
	070067	Conduit Valve Assy., 9852TW, 220V
4	R11496-83	Pipe Tube, 3/4 x 5-1/2
5	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N

9852TW2 Discharge

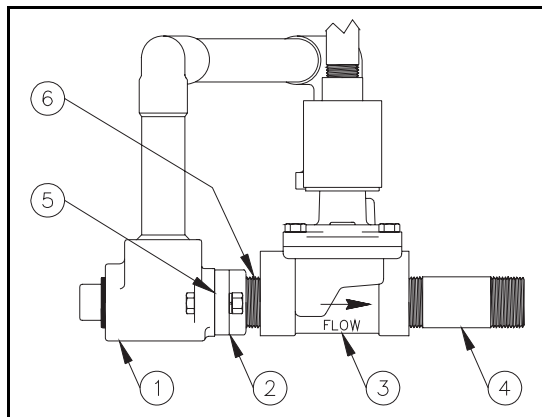
Figure 5-13: 9852TW2 Discharge



Item	Part No.	Description
1	024305	Discharge Assy.
2	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
3	026070	Meter Flange - 3/4" NPT w/Groove (No Longer Available)
4	R11496-90	Pipe Tube 3/4 x 8

9853TW2 Valve Discharge

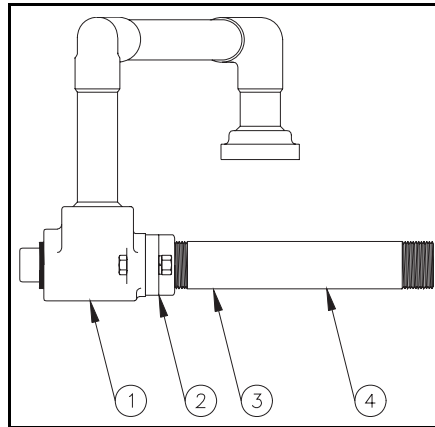
Figure 5-14: 9853TW2 Valve Discharge



Item	Part No.	Description
1	024305	Discharge Assy.
2	026071	Meter Flange - 1" NPT w/Groove
3	070062	Conduit Valve Assy. 9853XTW
	070064	Conduit Valve Assy. 9853TW, 220V
4	R11495-42	Pipe Tube, 1 x 3-1/2
5	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
6	R11495-20	Pipe Tube, 1 x 1-1/2 Close Nipple

9853TW2 Discharge

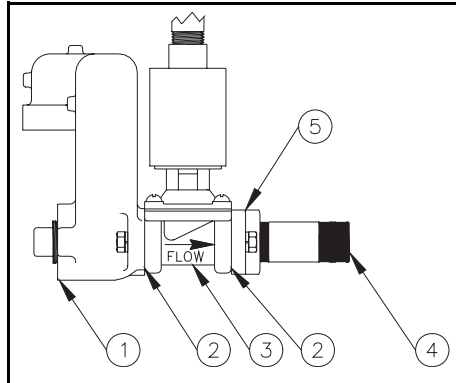
Figure 5-15: 9853TW2 Discharge



Item	Part No.	Description
1	024305	Discharge Assy.
2	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
3	026071	Meter Flange - 1" NPT w/Groove
4	R11495-101	Pipe Tube, 1 x 8

9852, 9852X Valve Discharge

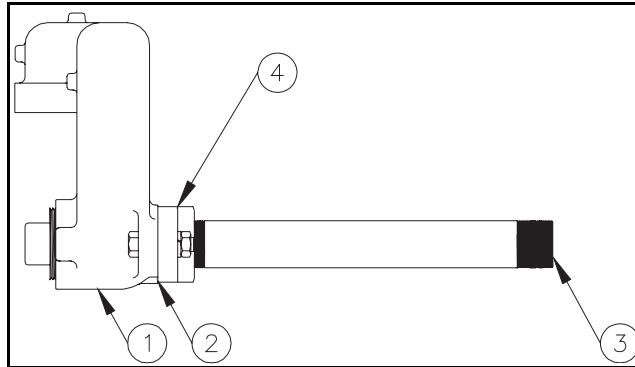
Figure 5-16: 9852, 9852X Valve Discharge



Item	Part No.	Description
1	003086	Discharge Casting (No Longer Available)
2	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
3	070061	Conduit Valve Assy, 9852XTW
	070065	Conduit Valve Assy, 9852XTW, 220V
4	R11496-70	Pipe Tube 3/4 x 6-1/2
5	026074	Meter Flange, 3/4" NPT

9852 Discharge

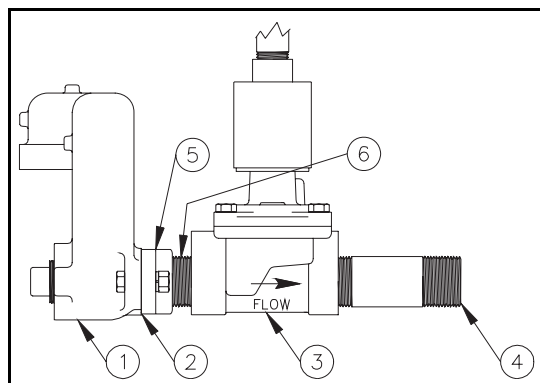
Figure 5-17: 9852 Discharge



Item	Part No.	Description
1	003086	Discharge Casting (No Longer Available)
2	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
3	R11496-104	Pipe Tube, 3/4 x 8-3/4
4	026070	Meter Flange - 3/4" NPT w/Groove (No Longer Available)

9853, 9853X Valve Discharge

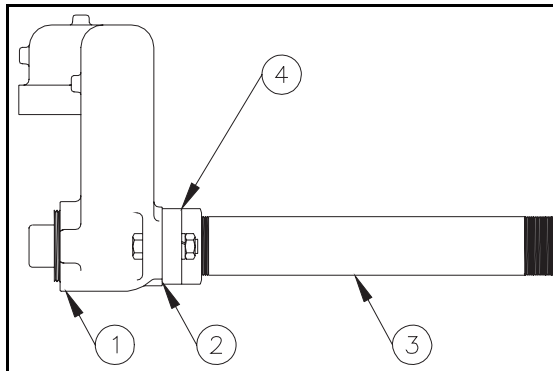
Figure 5-18: 9853, 9853X Valve Discharge



Item	Part No.	Description
1	003086	Discharge Casting (No Longer Available)
2	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
3	070063	Conduit Valve Assy., 9853
	070066	Conduit Valve Assy., 9853, 220V
4	R11495-21	Pipe Tube, 1 x 5
5	026071	Meter Flange 1" NPT w/groove
6	R11495-20	Pipe Tube, 1 x 1-1/2 Close Nipple

9853 Discharge

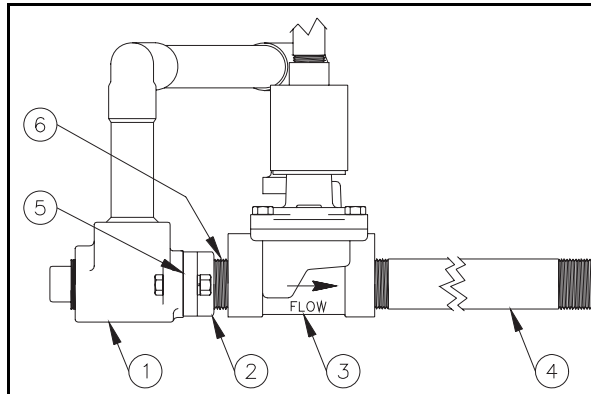
Figure 5-19: 9853 Discharge



Item	Part No.	Description
1	003086	Discharge Casting (No Longer Available)
2	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
3	044639	Pipe Tube 1 x 8-3/4 (No Longer Available)
4	026071	Meter Flange, 1" NPT w/groove

9853HC Valve Discharge

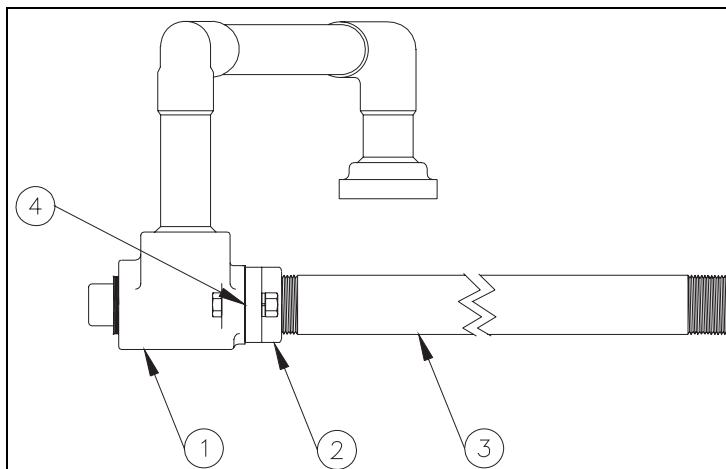
Figure 5-20: 9853HC Valve Discharge



Item	Part No.	Description
1	024305	Discharge Assy.
2	026071	Meter Flange, 1" NPT w/groove
3	070063	Conduit Valve Assy., 9853
	070066	Conduit Valve Assy., 9853, 220V
4	R11495-94	Pipe Tube 1 x 9
5	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N
6	R11495-20	Pipe Tube, 1 x 1-1/2 Close Nipple

9853HC Discharge

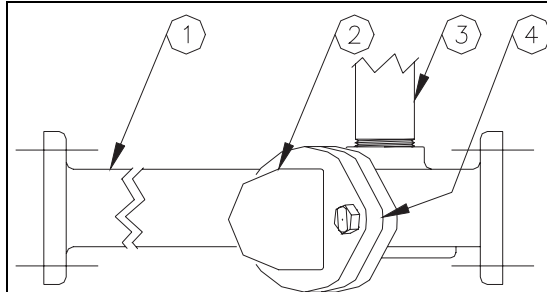
Figure 5-21: 9853HC Discharge



Item	Part No.	Description
1	024305	Discharge Assy.
2	026071	Meter Flange, 1" NPT w/groove
3	044675	Pipe Tube 1 x 13-1/2 (No Longer Available)
4	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N

9853HC Pump Discharge

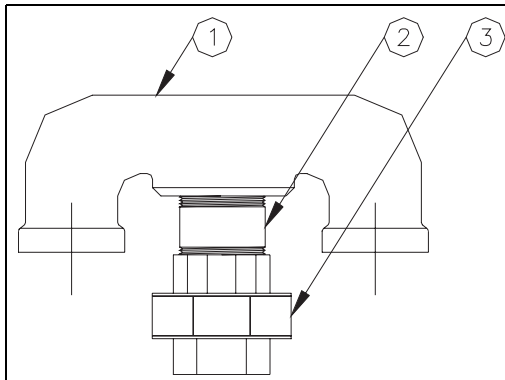
Figure 5-22: 9853HC Pump Discharge



Item	Part No.	Description
1	048396	Pump Discharge
2	058019	Cover
3	015536	CPLG Nipple
4	027002	Gasket

9853HC Manifold

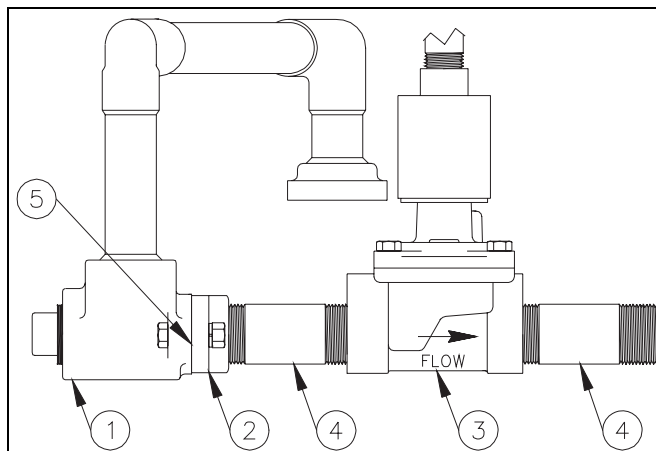
Figure 5-23: 9853HC Manifold



Item	Part No.	Description
1	048391	Pump Inlet
2	R11493-24	Pipe Tube, 1-1/2 x 2-1/4
3	K12179	Union, 1-1/2 #150 Stockham

9853XTW Discharge Valve Assembly

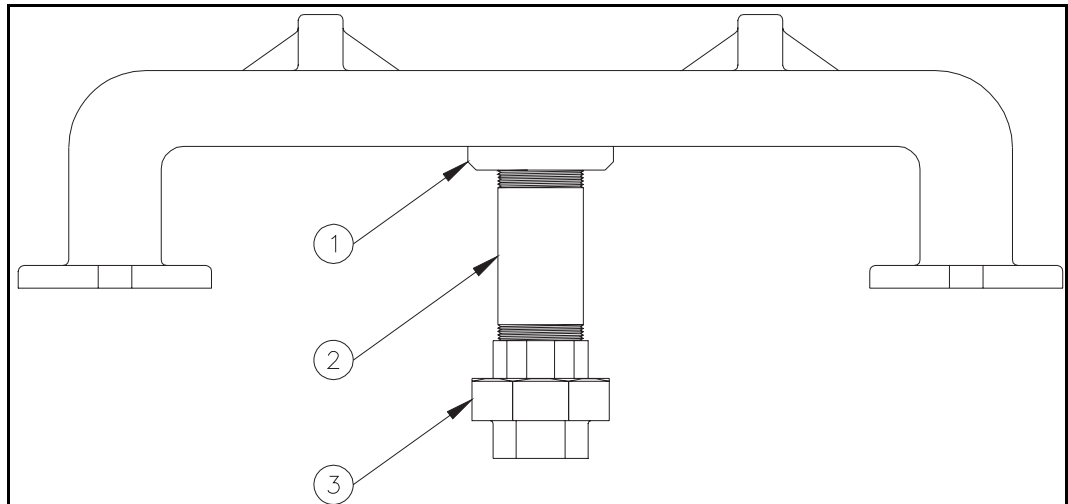
Figure 5-24: 9853XTW Discharge Valve Assembly



Item	Part No.	Description
1	024305	Discharge Assy.
2	026071	Meter Flange - 1" NPT w/Groove
3	070062	Conduit Valve Assy. 9853XTW
	070064	Conduit Valve Assy. 9853TW, 220V
4	R11495-42	Pipe Tube, 1 x 3-1/2
5	M49014	O-Ring, 1-1/4 x 1-1/2 Buna-N

9853TW1M Manifold

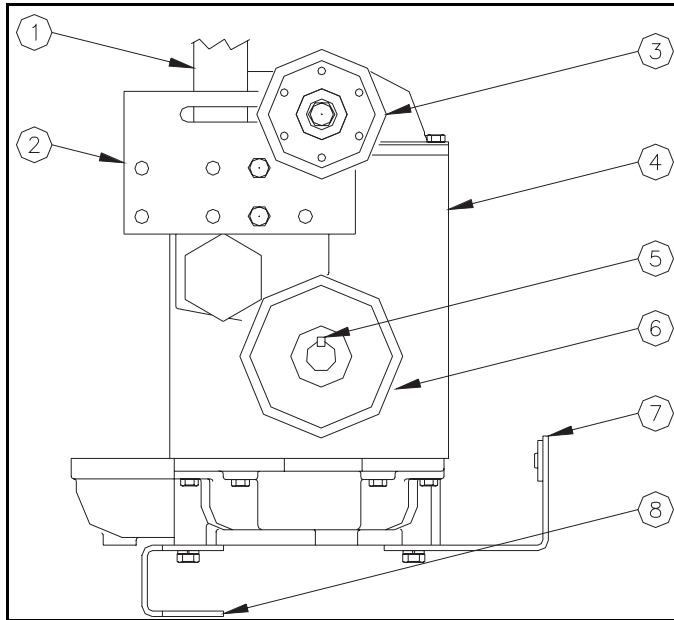
Figure 5-25: 9853TW1M Manifold



Item	Part No.	Description
1	003106	Manifold - Pump Inlet
2	R11493-21	Pipe Tube 1-1/2 x 4-1/2
3	K12179	Union, 1-1/2 #150 Stockham

9840 Pumping Unit Assembly

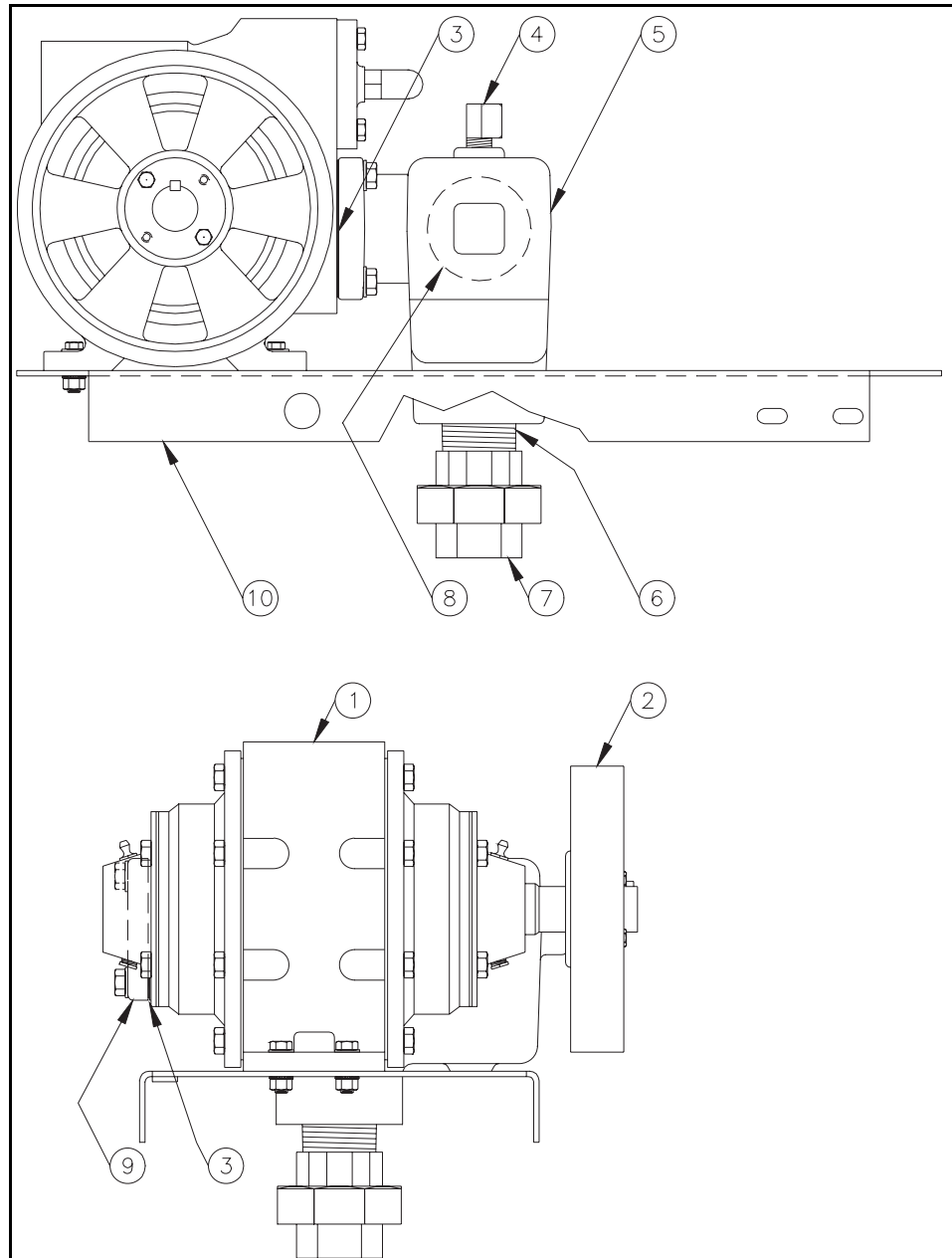
Figure 5-26: 9840 Pumping Unit Assembly



Item	Part No.	Description
1	015705	Coupling Nipple
2	047008	Idler Arm
3	047009	Pulley, Idler
4	048080	Pumping Unit
5	031315	Key
6	047597	Pulley, Pump, 3.50" OD, 3/4" bore keyway
7	015622	Pump Support Bracket Weld
8	015531	Bracket, Pump Support

9850, 9850S Pump and Platform Assembly

Figure 5-27: 9850, 9850S Pump and Platform Assembly

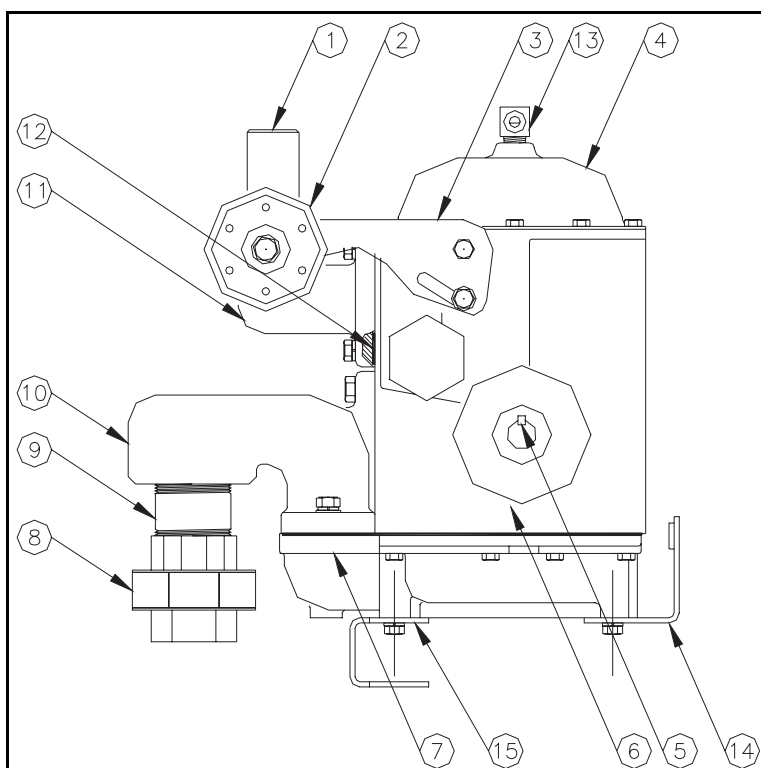


Item	Part No.	Description
1	M04731B101	Pump, Blackmer XU-2
2	047611	Pulley, Gearbelt Pump
3	027361	Gasket Flange, 2"
4	026045	Fitting, 1/2 CT Elbow, Inv FI
5	003071	Base Pump Strainer Housing
6	038065	Pipe Tube, 2 x 2, Close Nipple

Item	Part No.	Description
7	K22468	Union, 2" Std Blk
8	063369	Strainer Assy.
9	003502	Cover, Strainer Base Pump
10	047064	Platform Pump and Meter Weld Assy.

9852, 9853 Pumping Unit Assembly

Figure 5-28: 9852, 9853 Pumping Unit Assembly

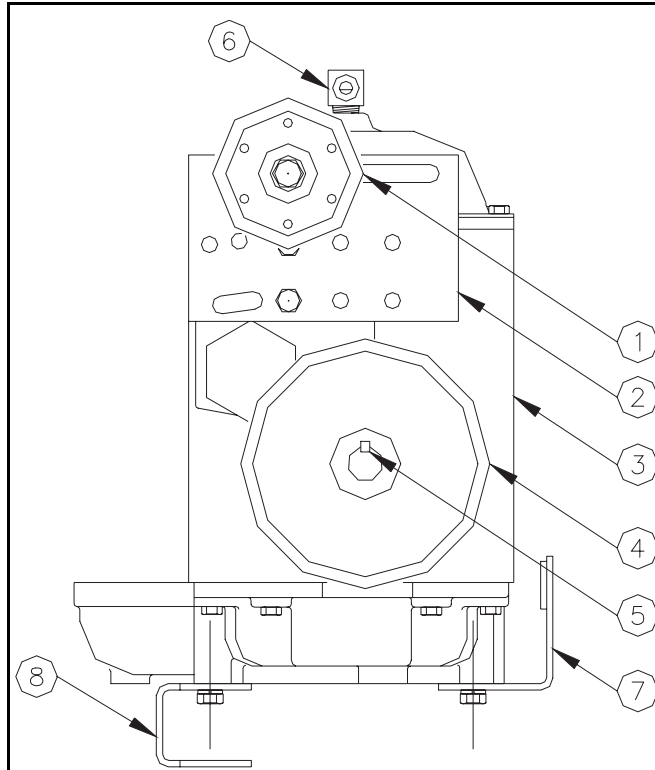


Item	Part No.	Description
1	015536	CPLG Nipple
2	047009	Pulley, Idler
3	047007	Idler Arm
4	048393	Pumping Unit, 9852
	048392	Pumping Unit, 9853
5	031315	Key
6	047597	Pulley, Pump, 3.50" OD, 3/4" bore keyway
	047598	Pulley, Pump, 4" OD, 3/4" bore, 9852
7	027001	Pump Inlet Gasket
8	K12179	Union, 1-1/2 #50 Stockham
9	R11493-24	Pipe Tube, 1-1/2 x 2-1/4

Item	Part No.	Description
10	048398	Pump Inlet
11	048397	Pump Discharge (No Longer Available)
12	027003	Gasket
13	026044	Fitting, 3/8 CT Elbow Inv FI
14	015621	Pump Support Bracket Weld
15	015531	Bracket, Pump Support

9853HC Pumping Unit Assembly

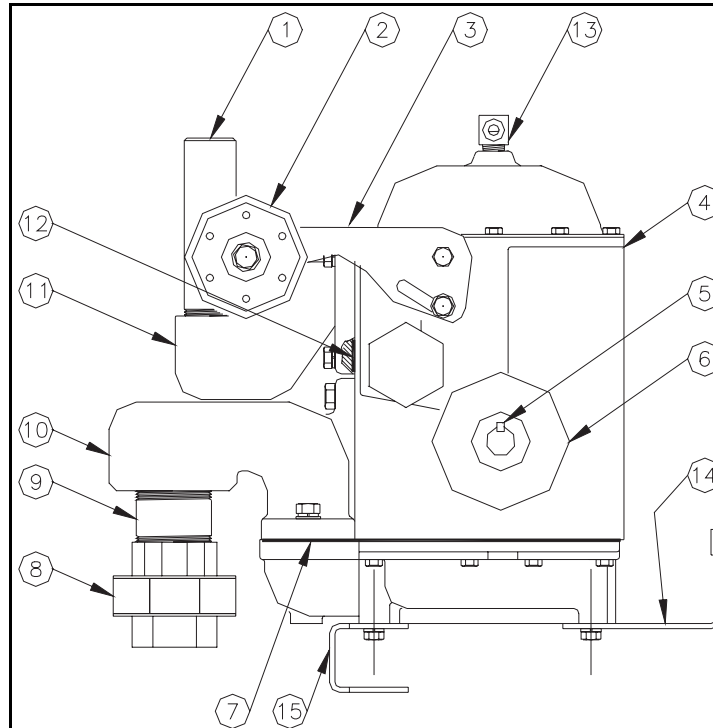
Figure 5-29: 9853HC Pumping Unit Assembly



Item	Part No.	Description
1	047009	Pulley, Idler
2	047008	Idler Arm
3	048080	Pumping Unit
4	047015	Pulley, 5-1/4" OD Pump
5	031315	Key
6	026044	Fitting, 3/8 CT Elbow Inv FI
7	015621	Pump Support Bracket Weld
8	015531	Bracket, Pump Support

9852TW1 Pumping Unit Assembly

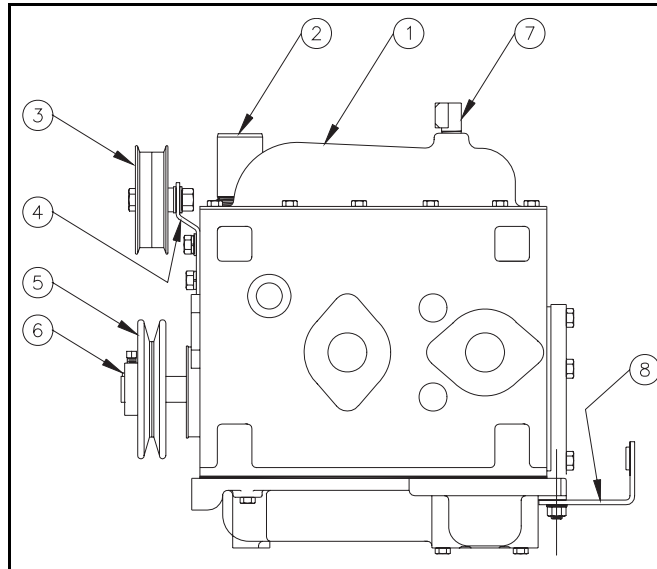
Figure 5-30: 9852TW1 Pumping Unit Assembly



Item	Part No.	Description
1	015536	CPLG Nipple
2	047009	Pulley, Idler
3	047007	Idler Arm
4	048392	Pumping Unit
5	031315	Key
6	047597	Pulley, Pump, 3.50" OD, 3/4" bore keyway
7	027001	Pump Inlet Gasket
8	K12179	Union, 1-1/2 #150 Stockham
9	R11493-24	Pipe Tube, 1-1/2 x 2-1/4
10	048398	Pump Inlet
11	048399	Pump Discharge
12	027003	Gasket
13	026044	Fitting, 3/8 CT Elbow Inv FI
14	015622	Pump Support Bracket Weld
15	015531	Bracket, Pump Support

9853TW1M Pumping Unit Assembly

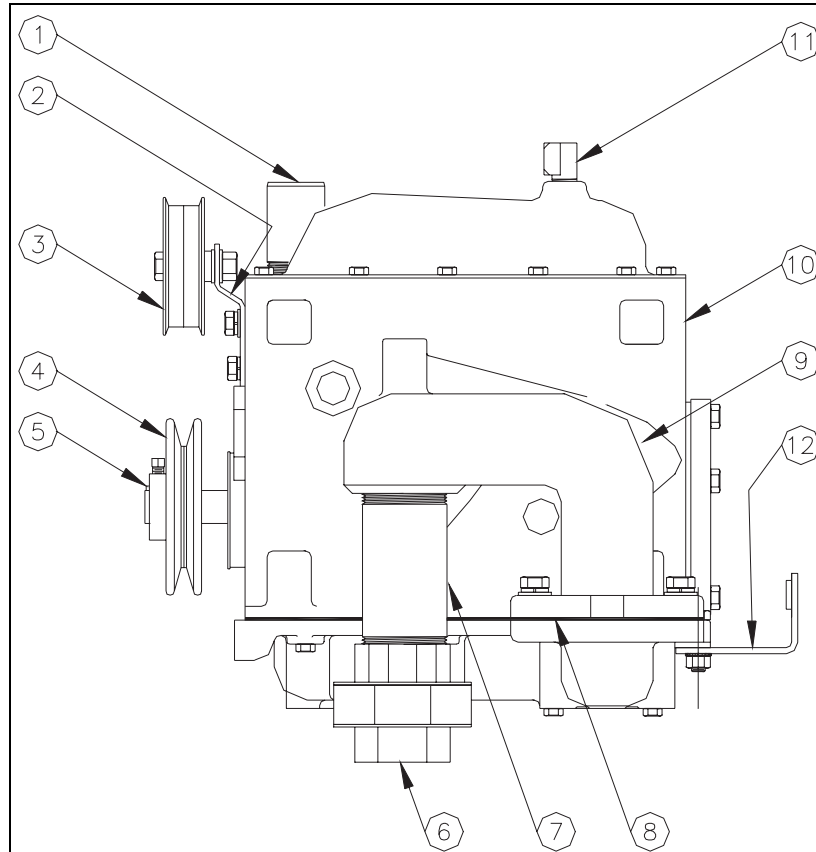
Figure 5-31: 9853TW1M Pumping Unit Assembly



Item	Part No.	Description
1	048394	Pumping Unit, 9852
	048949	Pumping Unit, 9853
	032104	Kit, Check Valve for use with 048949
2	015614	CPLG Nipple
3	047009	Pulley, Idler
4	047008	Idler Arm
5	047597	Pulley, Pump, 3.50" OD, 3/4" bore keyway
6	031315	Key
7	026044	Fitting, 3/8 CT Elbow Inv FI
8	015623	Pump Support Bracket Weld

9852TW2, 9853TW2 Pumping Unit Assembly

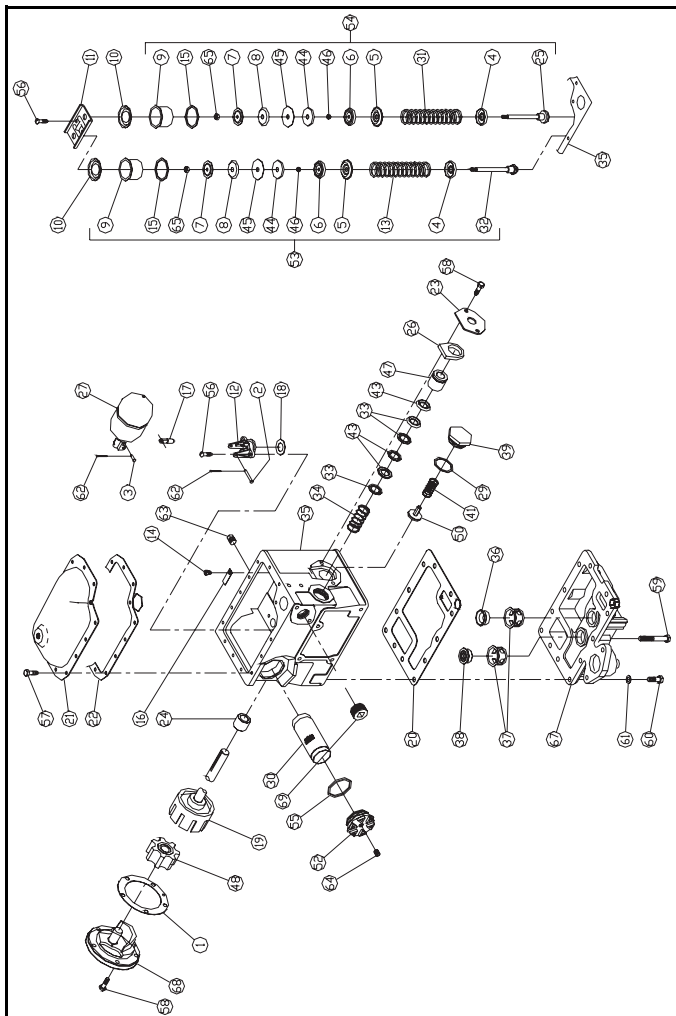
Figure 5-32: 9852TW2, 9853TW2 Pumping Unit Assembly



Item	Part No.	Description
1	015614	CPLG Nipple
2	047008	Idler Arm
3	047009	Pulley, Idler
4	047597	Pulley, Pump, 3.50" OD, 3/4" bore keyway
	047598	Pulley, Pump, 4" OD, 3/4" bore, 9852
5	031315	Key
6	K12179	Union, 1-1/2 #150 Stockham
7	R11493-21	Pipe Tube 1-1/2 x 4-1/2
8	027001	Pump Inlet Gasket
9	048400	Pump Inlet
10	048394	Pumping Unit, 9852
	048395	Pumping Unit, 9853 (Replaced by 048949 & 032104)
11	026044	Fitting, 3/8 CT Elbow Inv FI
12	015623	Pump Support Bracket Weld

Pumping Unit Assembly Breakdown

Figure 5-33: Pumping Unit Assembly Breakdown



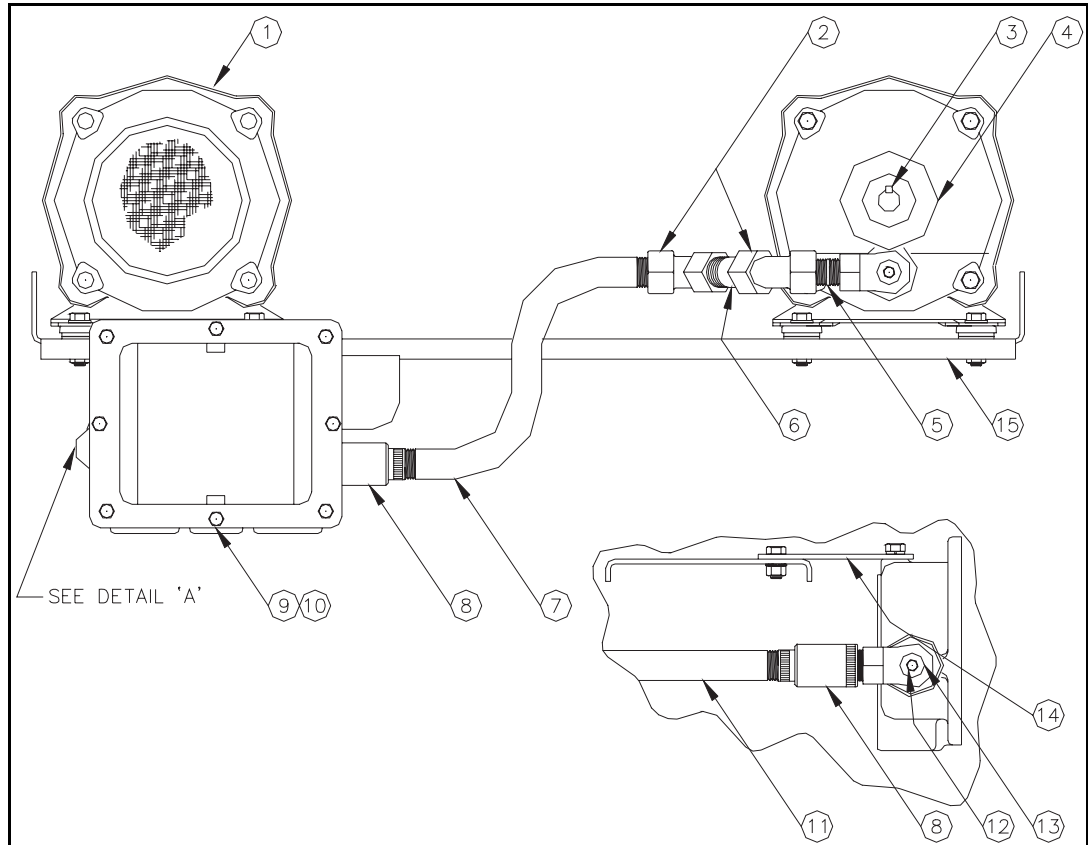
Item	Part No.	Description
1	S00117	Gasket
2	S00456	Float Lever Pin
3	S00066	Valve Pin
4	S00067	Guide Plate
5	S00068	Spring Plate
6	S00069	Plunger Head
7	S00072	Plunger Plate
8	S00073	Plunger Follower
9	S00074	Valve Cylinder
10	S00075	Cylinder Head
11	S00076	Clamp Plate
12	S00077	Float Valve Body

Item	Part No.	Description
13	S00078	By-Pass Valve Spring (#34 to 35-1/2# spring, 9852, 9852TW2)
	S00079	By-Pass Valve Spring (44-1/2# Spring, 9853, 9853HC, 9840, 9852TW1)
14	S00080	Vent Screw
15	S00062	Valve Cylinder Gasket
16	S00081	Vent Screw Guard
17	S00082	Float Valve Needle
18	S00083	Float Valve Gasket
19	S00128	Pump Rotor Shaft Assembly
20	S00119	Bottom Head Gasket
21	S00084	Separator Cover
22	S00120	Cover Gasket
23	S00085	Retainer
24	S00121	Bearing
25	S00086	Regulating Poppet Assy
26	S00124	Oil Well Felt
27	S00061	Float Assembly
29	S00718	Gasket
30	063312	Suction Screen (Gasoline)
	063313	Suction Screen (Diesel)
31	S00088	Regulating Valve Spring
32	S00089	By-pass Valve Poppet (No Longer Available)
33	S00056	Packing Gland
34	S00090	Packing Spring
35	S00091	Rotary Pump & Separator Body w/Gasket, Bearing, Screws & Spring
36	S00092	Regulating Valve Seat
37	S00093	Valve Seat Guide
38	S00094	By-pass Valve Seat
39	S00448	Check Valve Cap
41	S00447	Poppet Spring
43	S00116	"V" Packing
44	S00095	Plunger Guide
45	S00096	Plunger Disc
46	S00097	Plunger Spacer
47	S00122	Drive Shaft Bearing
48	S00129	Rotary Pump Idler
50	S00098	Poppet Disc. & Relief Valve Assy
52	S00427	Suction Strainer Cap (All models except TW2 & TW1M) (No Longer Available)
	S00099	Suction Strainer Cap (TW2 & TW1M) (No Longer Available)
53	S00125	By-pass Valve Assembly (34# to 35-1/2# spring, 9852, 9852TW2)
	S00126	By-pass Valve Assembly (44-1/2# spring, 9853, 9853HC, 9840, 9852TW1)
54	S00127	Regulating Valve Assembly
55	S00123	Gasket
57	S00452	1/4-20 x 1/2 Lg. Hex Hd. Cap Screw

Item	Part No.	Description
58	K01914-72	5/16-18 x 7/8 Lg. Hex. Hd. Cap Screw
59	S00454	3/8-16 x 2-3/4 Lg. Hex. Hd. Cap Screw
60	S00455	3/8-16 x 1-1/8 Lg. Hex. Hd. Cap Screw.
61	S00458	3/8 Lockwasher (TW2 & TW1M Only)
62	S00457	1/16 x 1/2 Lg. Cotter Pin
63	S00459	1/4 Sq. Hd. Pipe Plug
64	S00460	1/4 Countersunk Pipe Plug (TW2 & TW1M Only)
65	S00461	1/4 - 28 Hex. Nut
67	S00462	Lower Pump Head w/Valve Seat Guides, Regulating Valve Seat & By-pass Valve Seat (9852, 9853, and TW1 only)
	S00463	Lower Pump Head w/ Valve Seat Guides, Regulating Valve Seat & By-Pass Valve Seat (9853HC, 9840 only)
	S00464	Lower Pump Head w/Valve Seat Guides, Regulating Valve Seat and By-Pass Valve Seat (TW2 & TW1M only)
68	S00057	Rotary Pump Head Assembly
69	K02283	1" Pipe Plug (TW2 & TW1M only)

9840 Motor Assembly

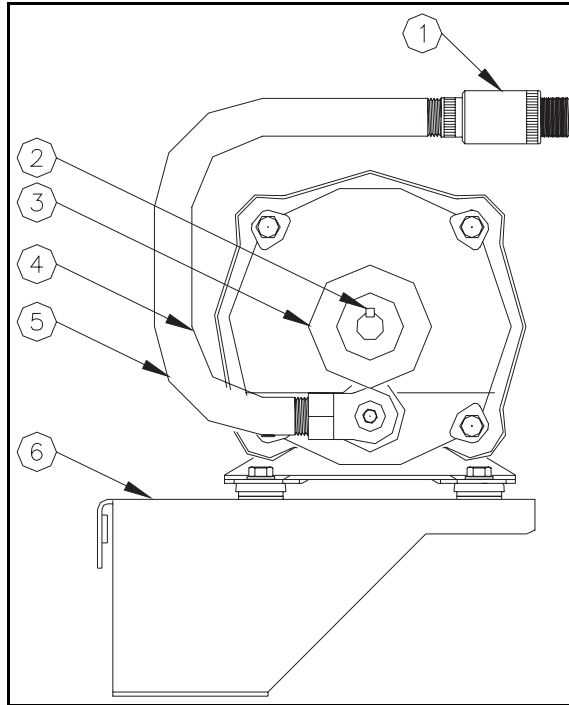
Figure 5-34: 9840 Motor Assembly



Item	Part No.	Description
1	F37696	Motor, Franklin 3/4 HP, 60Hz, CW
2	025046	Elbow Conduit 1/2 x 45° F/F
3	031315	Key
4	047006	Pulley, Maurey® 2275, 5/8 bore
5	N16771-78	Pipe Tube 1/2 x 1-1/8 Zinc-plated
6	R11979-39	Pipe Tube 1/2 x 1-1/2 Zinc-plated
7	021050	Conduit - Motor to J-Box
8	N16289-20	1/2" UNY Explosion-proof Cond Union
9	014101	AC Junction Box
10	022196	AC Junction Box Cover (No Longer Available)
11	021006	Conduit - Motor to J-Box (No Longer Available)
12	052243	Screw, special, 12-24 x 7/8 HHC
13	021030	Conduit Conn. (No Longer Available)
14	015780	Bracket, Support, AC J-Box
15	015095	Motor Support Bracket Weld Assy.

9852, 9853 Motor Assembly

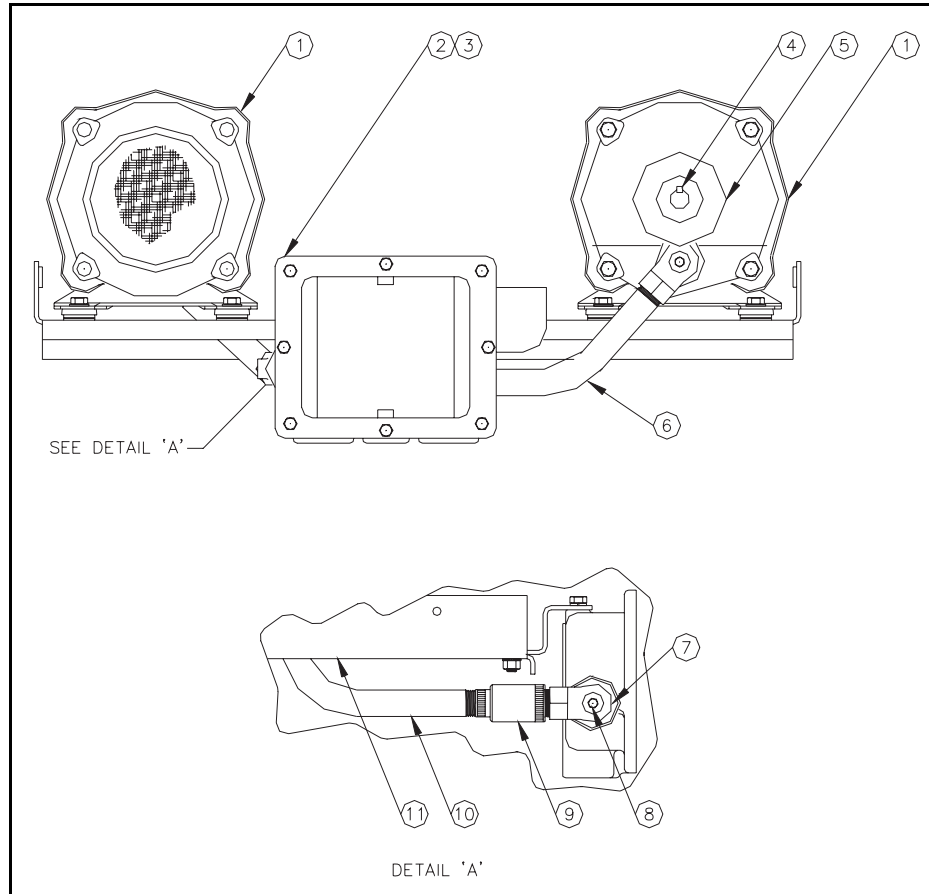
Figure 5-35: 9852, 9853 Motor Assembly



Item	Part No.	Description
1	N16289-20	1/2" UNY Explosion-proof Cond Union
2	031315	Key
3	047005	Pulley, Maurey® 2240, 5/8 bore, 9852
	047006	Pulley, Maurey 2275, 5/8 bore, 9853
	047705	Pulley, var. Maurey 8350 x 5/8" bore, 50Hz, 9853
4	F37711	Motor, Franklin, 1/2HP, 60 Hz, CW, 9852
	037702	Motor, AOS, 1/3HP, 50 Hz, CW, 9852
	F37696	Motor, Franklin, 3/4HP, 60 Hz, CW, 9853
5	021034	Conduit, Bent
6	015502	Bracket, Motor Support

9853HC Motor Assembly

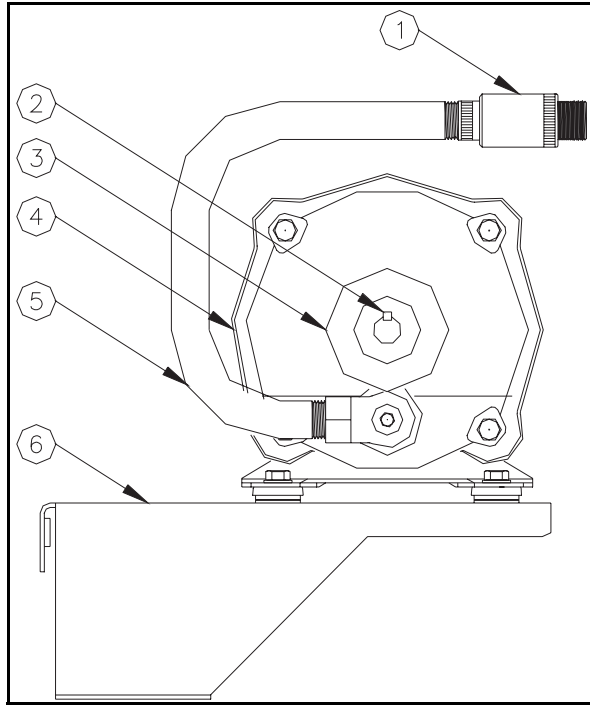
Figure 5-36: 9853HC Motor Assembly



Item	Part No.	Description
1	F37696	Motor, Franklin, 3/4HP, 60 Hz, CW, 9853
	F37334	Motor, Franklin, 1/2HP, 50Hz CW
2	014101	AC Junction Box
3	022196	AC Junction Box Cover (No Longer Available)
4	031315	Key
5	047014	Pulley, 3" OD Motor
6	021851	Conduit, Bent, AC Box
7	021030	Conduit Conn. (No Longer Available)
8	052243	Screw, special, 12-24 x 7/8 HHC
9	N16289-20	1/2" UNY Explosion-proof Cond Union
10	021044	Conduit, Bent
11	015094	Meter-Motor Bracket Weld

9852TW1 Motor Assembly

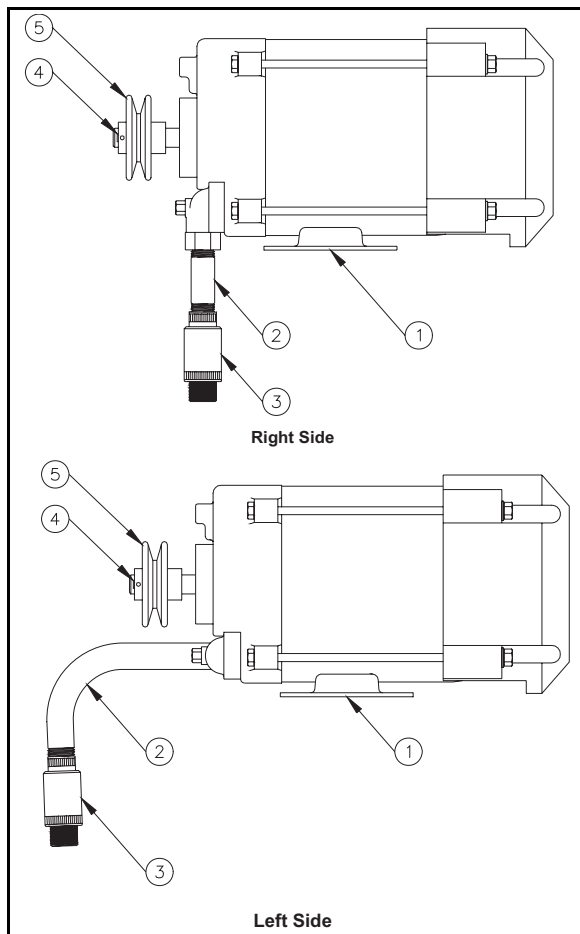
Figure 5-37: 9852TW1 Motor Assembly



Item	Part No.	Description
1	N16289-20	1/2" UNY Explosion-proof Cond Union
2	031315	Key
3	047005	Pulley, Maurey 2240, 5/8 bore, 9852
4	F37696	Motor, Franklin, 3/4HP, 60 Hz, CW, 9853
5	021034	Conduit, Bent
6	015502	Bracket, Motor Support

9852TW2, 9853TW2, 9853TW1M Motor Assembly

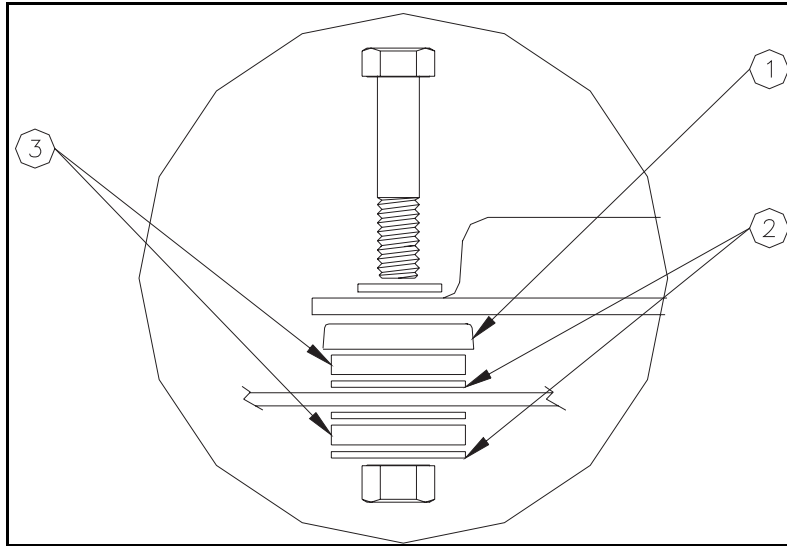
Figure 5-38: 9852TW2, 9853TW2, 9853TW1M Motor Assembly



Item	Part No.	Description
1	F37710	Motor, Franklin, 1/2HP, 60 Hz, CCW, 2652TW2
	037701	Motor, AOS, 1/3HP, 50Hz, CCW, 2652TW2 (No Longer Available)
	F37694	Motor, Franklin, 3/4HP, 60Hz, CCW, 2653TW2
	F37428	Motor, Franklin, 3/4HP, 50Hz, CCW, 2653TW2
2	021455	Conduit, 1/2 x 2-3/4 (right side view)
	022066	Conduit, Motor, 9853TW2 (left side view)
3	N16289-20	1/2" UNY Explosion-proof Cond Union
4	031315	Key
5	047005	Pulley, Maurey 2240, 5/8 bore, 9852TW2
	047006	Pulley, Maurey 2275, 5/8 bore, 9853TW2
	047705	Pulley, var. Maurey 8350 x 5/8" bore, 50Hz, 9853TW2

Motor Assembly - Detail A

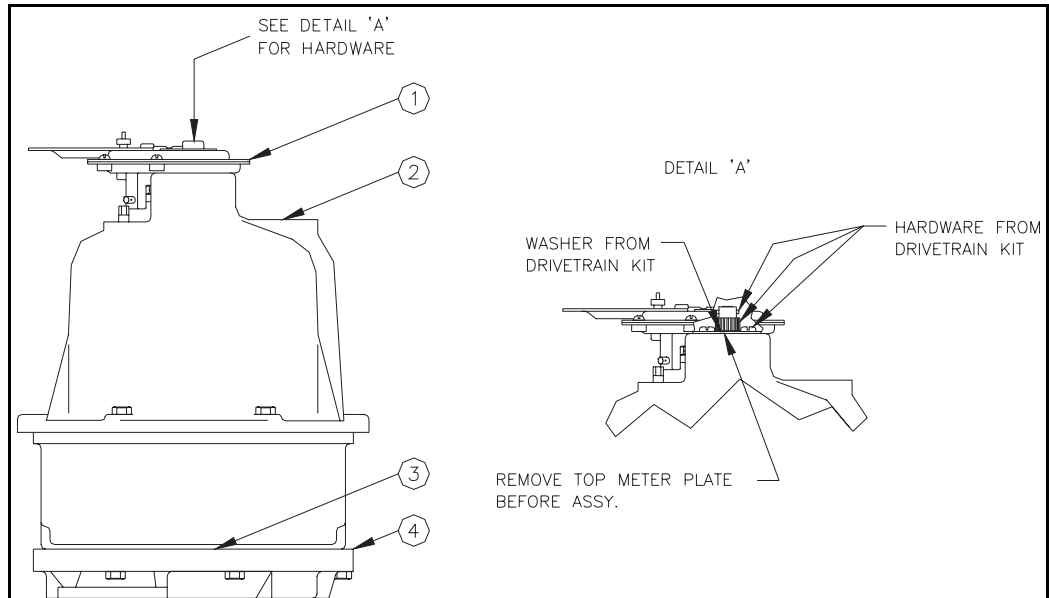
Figure 5-39: Motor Assembly - Detail A



Item	Part No.	Description
1	067735	Washer, Cup
2	068620	Washer, 5/16 x 1 x 3/64 Pltd.
3	037885	Mount, Rubber

9840, 9852, 9853, 9852TW, 9853TW, 9852TWM, 9853TWM, 9853HC, 9852HS, 9853HS Meter Drivetrain Assembly

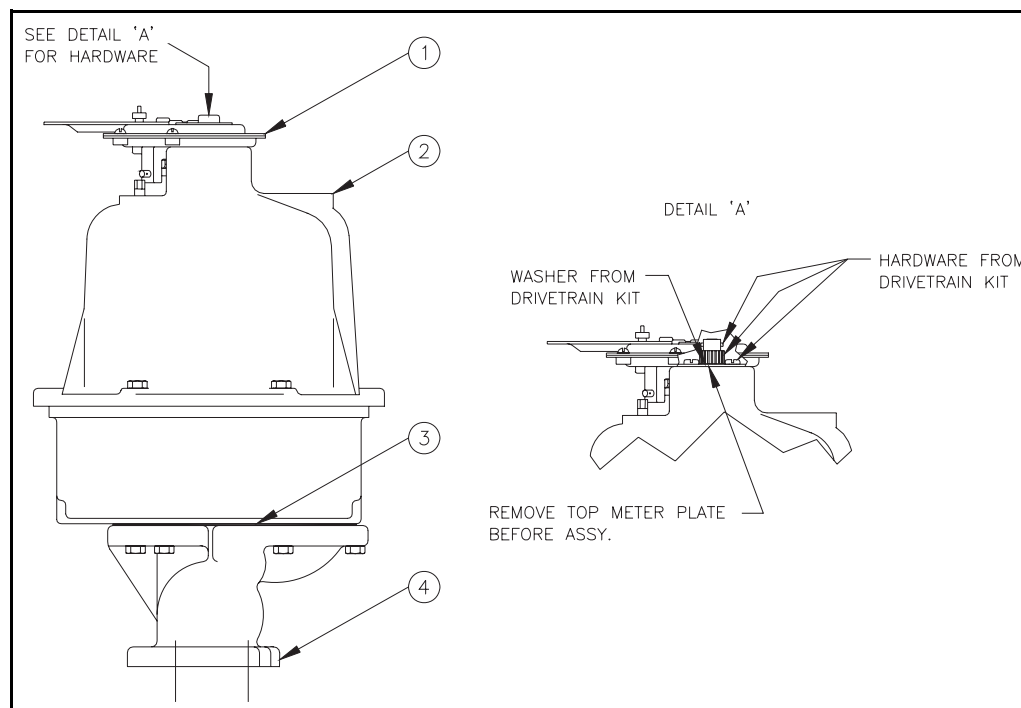
Figure 5-40: Meter Drivetrain Assembly



Item	Part No.	Description
1	027408	Gear Train Assy.
2	035517	Meter, Gallons
	035579	Meter, Cal 4:1, Liters
3	027038	Gasket
4	035514	Meter Transfer Body

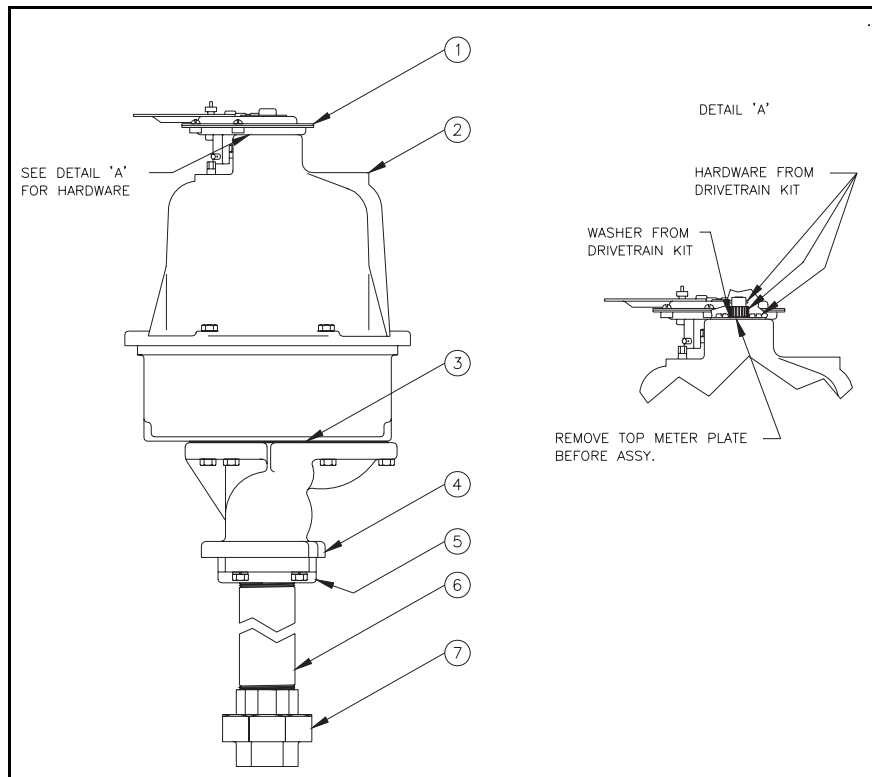
9840X, 9852XTW1 Meter-Drive Assembly

Figure 5-41: 9840X, 9852XTW1 Meter-Drive Assembly



Item	Part No.	Description
1	027408	Gear Train Assy.
2	035517	Meter, Gallons
	035579	Meter, Cal 4:1, Liters
3	027038	Gasket
4	035525	Str. Body Assy.

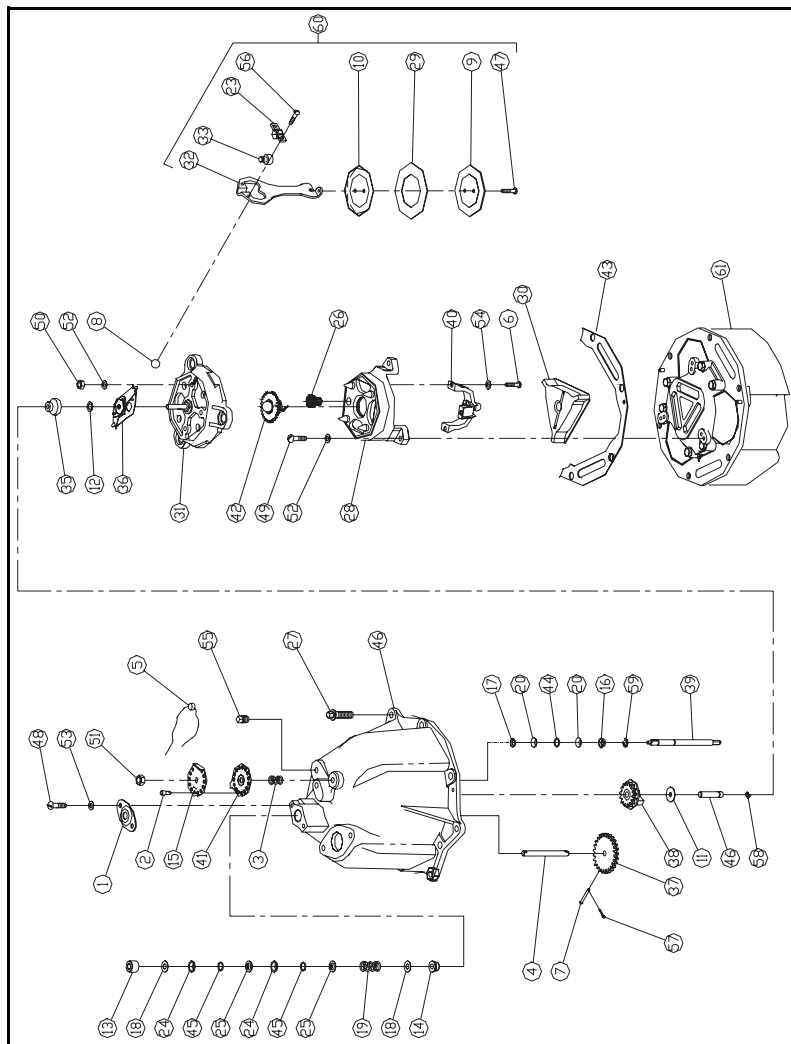
9852XTW2 Meter-Drive Assembly



Item	Part No.	Description
1	027408	Gear Train Assy.
2	035517	Meter, Gallons
	035579	Meter, Cal 4:1, Liters
3	027038	Gasket
4	035525	Str. Body Assy.
5	048138	Valve Housing
6	R11493-94	Pipe Tube 1-1/2 x 7, 2150X
7	K12179	Union, 1-1/2 #150 Stockham

Meter Assembly Breakdown

Figure 5-42: Meter Assembly Breakdown



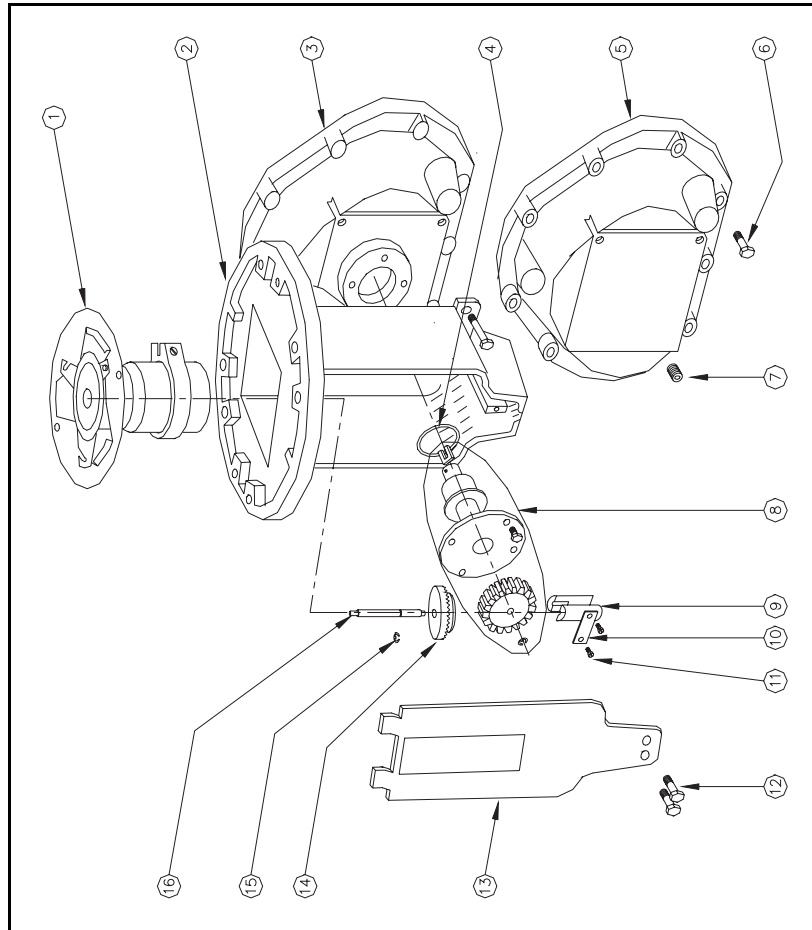
Item	Part No.	Description
1	S00466	Packing Gland Plate
2	S00467	Seal Pin
3	S00469	Compensator Screw Spring
4	S00473	Drive Shaft
5	S00474	Seal & Seal Wire- 6" Lg.
6	S00475	Special Screw
7	S00476	Drive Shaft Pin
8	S00477	1/2" Ball
9	S00480	Plunger Cup Support
10	S00481	Plunger Disc
11	S00182	Washer

Item	Part No.	Description
12	S00183	Washer
13	S00484	Upper Bearing Assembly
14	S00485	Bearing Assembly
15	S00487	Compensator Index Disc
16	S00488	Seal Half
17	S00489	Seal Wedge
18	S00490	Washer
19	S00492	Packing Spring
20	S00493	Seal
23	S00494	Bearing Retainer
24	S00495	Seal (black)
25	S00491	Seal Retaining Ring
26	S00478	Compensator Pinion
27	S00512	Screw
28	S00498	Main Pivot Bracket Assembly w/ Pins
29	S00032	Plunger Cup Kit (Set of 3 Cups)
30	S00501	Valve
31	S00502	Wobble Plate w/ Slack Roller Post
32	S00503	Connector
33	S00504	Bearing Seat
35	S00505	Slack Roller Assembly
36	S00506	Slack Spring Assembly
37	S00496	Drive Shaft Gear - Gal
	S00115	Drive Shaft Gear - Ltr
38	S00499	Counter Drive Gear Complete - Gal
	S00114	Counter Drive Gear Complete - Ltr
39	S00497	Compensator Shaft
40	S00500	Bracket & Pin Assembly
41	S00468	Index Plate
42	S00479	Pivot & Ball Assembly
43	S00470	Meter Body Gasket
44	S00471	"O" Ring (.362 Dia.)
45	S00472	"O" Ring (.487 Dia.)
46	S00486	Meter Cover w/ Center Gear Post, Index Plate, Pipe Plug & Retaining Ring
47	S00509	#10-32 x 3/8 Lg. Rd. Hd. Mach. Screw
48	S00507	#12-24 x 1/2 Lg. Rd. Hd. Mach. Screw
49	S00508	1/4-20 x 3/4 Lg. Rd. Hd. Mach. Screw
50	038860	1/4-20 Hex Nut
51	S00510	5/16-18 Hex Nut
52	S00520	1/4 Lockwasher
53	S00513	#1212 Lockwasher
54	S00514	#1114 Lockwasher
55	S00515	1/8 Sq. Hd. Pipe Plug

Item	Part No.	Description
56	S00516	#10-32 x 3/8 Lg. Rd. Hd. Sems Fastener
57	S00517	1/16 x 1/4 Lg. Cotter Pin
58	S00518	Truarc Retaining Ring
59	K76238-24	Truarc "E" Retaining Ring
60	S00521	Plunger Assy. w/ Bearing Retainer, Bearing Seat & Sems Fastener
61	S00522	Body & Seat Assembly w/ Pins

Liquid Controls Meter Cover Assembly Breakdown (9850)

Figure 5-43: Liquid Controls Meter Cover Assembly Breakdown (9850)



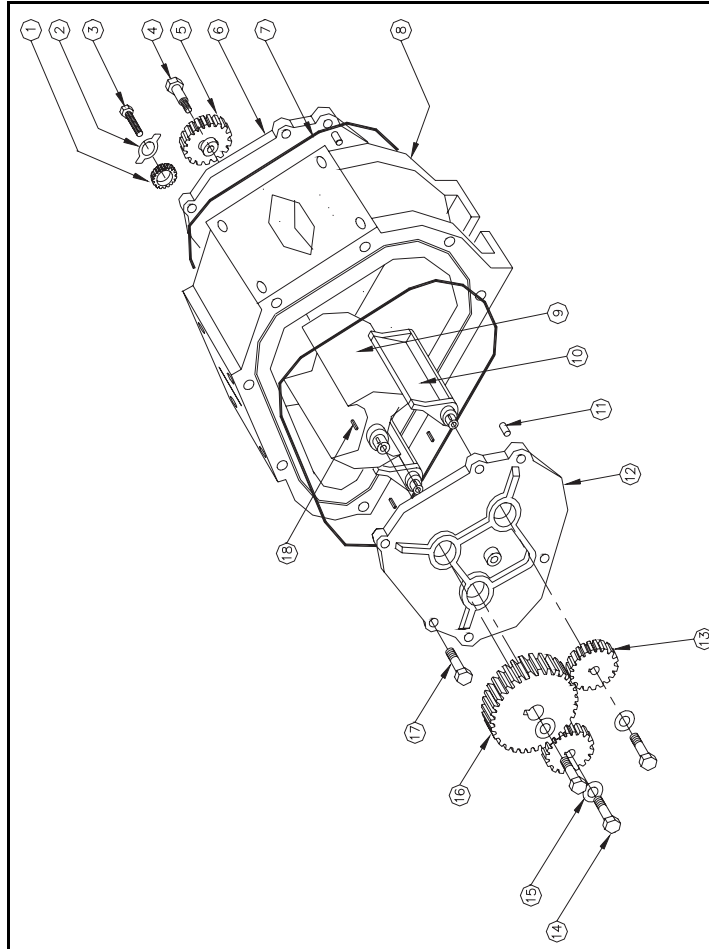
Item	Part No.	Description
1 (See NOTE below for ordering information)	S01101	Adjuster Assembly, LC49403
	S49404	Adjuster Assembly
2	S00727	Housing, Adjuster, LC49434
3	S00728	Cover, Front LC48272
4	S00729	O-Ring, LC06856
5	S00730	Cover, Rear LC48273
6	S00731	Screw, LC09080
7	S00732	Plug, Pipe, LC06790
8	S00733	Packing Gland Assembly, LC48616
9	S00734	Bushing, Adj. Drive, LC41786
10	S00738	Spring, Retaining, LC48208
11	S00737	Screw, LC06845
12	S00735	Screw, Cover LC9093

Item	Part No.	Description
13	S00736	Cover, Dust, LC49390
14	S00739	Gear, Adj. Drive, LC40122
15	S00740	Ring, Retaining, LC02188
16	S00741	Shaft, Hex Drive, LC48287

Note: If meter dust cover (item 13) is secured with one bolt, order adjuster part number S49404; if dust cover is secured with two to four bolts, order adjuster part number S01101.

Liquid Controls Meter Housing Assembly Breakdown (9850)

Figure 5-44: Liquid Controls Meter Housing Assembly Breakdown (9850)

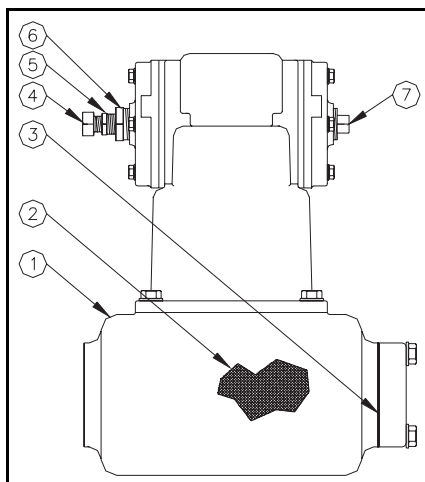


Item	Part No.	Description
1	S00742	Output Pinion, LC48257
2	S00743	Lockwasher, LC48277
3	S00756	Screw LC06973
4	S00744	Screw, Shoulder, LC48275
5	S00745	Output Gear, LC48276
6	S00710	Plate, Front Bearing, LC44744
7	S00723	O-Ring, LC09123
8	S00746	Housing, LC48270
9	S00747	Blocking Rotor and Key Assy., LC48919
10	S00748	Displacement Rotor and Key Assy., LC48920
11	S00749	Pin, Dowel, LC40665
12	S00711	Plate, Rear Bearing, LC44745
13	S00751	Gear, Displacement Pinion, LC48089

Item	Part No.	Description
14	S00755	Screw, LC09084
15	S00752	Washer, LC48319
16	S00750	Gear, Blocking, LC48090
17	S00753	Screw, LC09079
18	S00754	Key, LC48345 (included as part of rotor assembly)

Air Separator Assembly

Figure 5-45: Air Separator Assembly

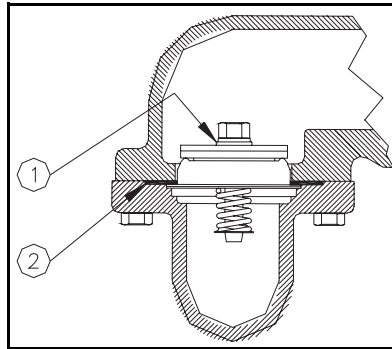


Item	Part No.	Description
1	063287	Strainer/Air Eliminator Assy.
2	063284	Strainer Basket
3	027361	Gasket Flange, 2"
4	026047	Fitting 3/8 CT Conn Inv Fl
5	K43825	Bushing 3/8 x 1/4 Black
6	017169	Bushing, Inside Hex 1 x 3/8
7	K02283	Plug Pipe, Square Head

Check Valves

Models: 9853XTW1, 9852XTW1, 9853XTW2, 9852XTW2, 9840X

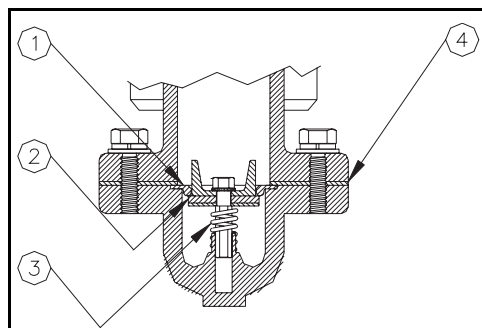
Figure 5-46: Check Valves 9853XTW1, 9852XTW1, 9853XTW2, 9852XTW2, 9840X



Item	Part No.	Description
1	035319	Check Valve Assy.
2	027005	Gasket

Models: 9853HC, 9840

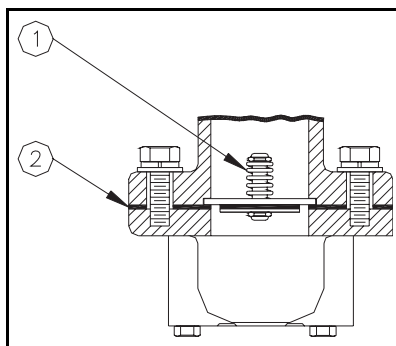
Figure 5-47: Models 9853HC, 9840



Item	Part No.	Description
1	058018	Valve Seat
2	058017	Poppet Disc Assy.
3	058016	Spring Compression
4	027001	Pump Inlet Gasket

Model 9853TW1M

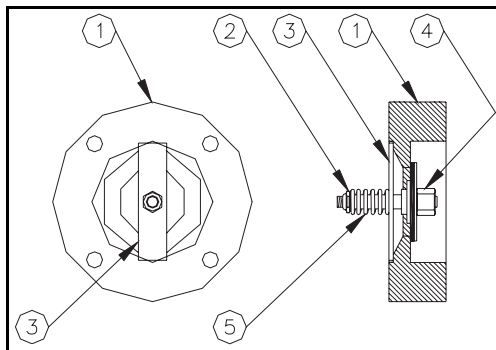
Figure 5-48: Model 9853TW1M



Item	Part No.	Description
1	047069	Check Valve Assy., Dsl
	047077	Check Valve Assy., Gas
2	027001	Pump Inlet Gasket

Models: 9850, 9850S, 9840X

Figure 5-49: Models: 9850, 9850S, 9840X



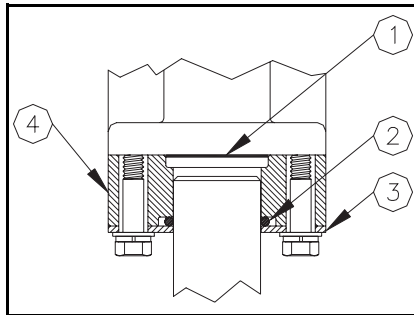
Note: When ordering parts for older units, all parts listed must be replaced due to a design change of items 1, 4 and 5.

Item	Part No.	Description
1	012003	Body Check Valve
2	Q10218-05	Nut, Lock #10-32 Hex
3	046050	Plt-Plunger Check Valve
4	062472	Stem Assy., Check Valve
5	057898	Spring-Comp #LC-026E-9

Flange

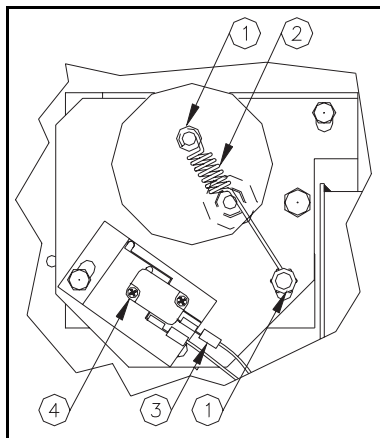
Models: 9852TW2, 9853TW2, 9853TW1M, 9852, 9853, 9853HC, 9852HS, 9853HS

Figure 5-50: Flange



Item	Part No.	Description
1	027797	Gasket
2	M49014	O-Ring, 1-5/16 x1-9/16 - 219 Buna
3	026079	Flg CPLG
4	021950	CPLG

Reset

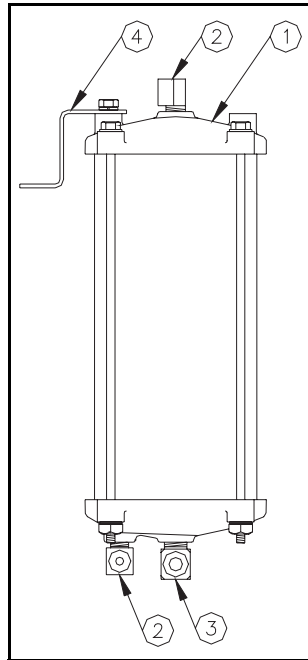
Figure 5-51: Reset

Item	Part No.	Description
1	042912	Collar Pin
2	029363	Handle, Spring
3	C06429	Cable Assy., handle SW-Single
	C06428	Cable Assy., handle SW-Twin
4	C03334	Switch, SPDT, Snap-Action

Float Assembly

Models: 9850, 9850S

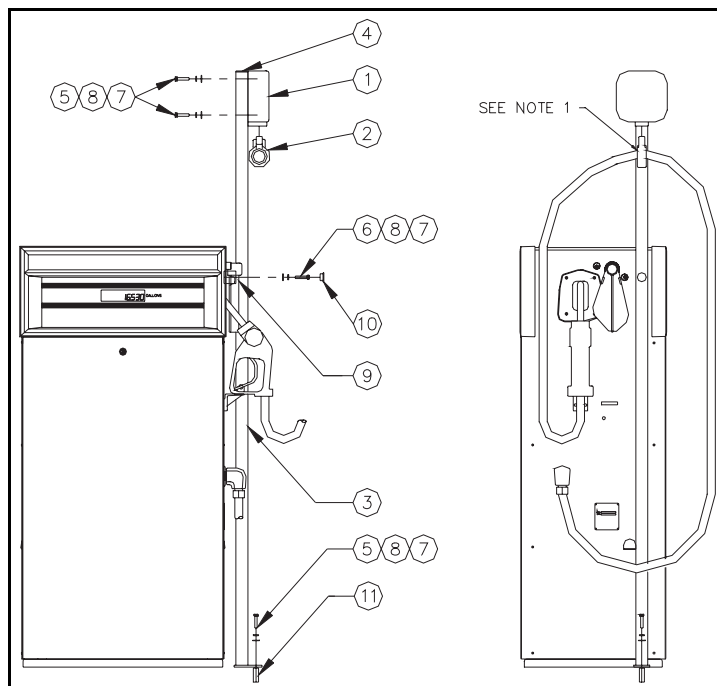
Figure 5-52: Float Assembly



Item	Part No.	Description
1	026474	Float Chamber Assy.
2	026044	Fitting, 3/8 CT Elbow Inv FI
3	026045	Fitting, 1/2 CT Elbow, Inv FI
4	014838	Bracket, Float, 12", 9850
	014842	Bracket, Float, 10", 9850
5	063670	Vent Tube Assembly, 10" Float (Not Shown)
	063661	Vent Tube Assembly, 12" Float (Not Shown) (No Longer Available)

High Hose Retriever Parts

Figure 5-53: High Hose Retriever Parts



Note: Complete High Hose Retriever installation requires a support post kit and a hose clamp/spring reel kit.

Hose Clamp/Spring Reel Kits

Kit No.	Description
032666	Kit, 5/8" Hardwall/Softwall (1" OD)
032659	Kit, 3/4" Hardwall/Softwall (1-1/32" OD)
032663	Kit, 3/4" Dayco Hardwall (1-1/8" OD)
032667	Kit, 1" Softwall (1-1/2" OD)
032668	Kit, 1" Dayco Hardwall (1-7/16 OD)
032669	Kit, 1" Hardwall (1-3/8 OD)
032671	Kit, HHR, Goodyear® Prem, Vapor Recovery, Coaxial

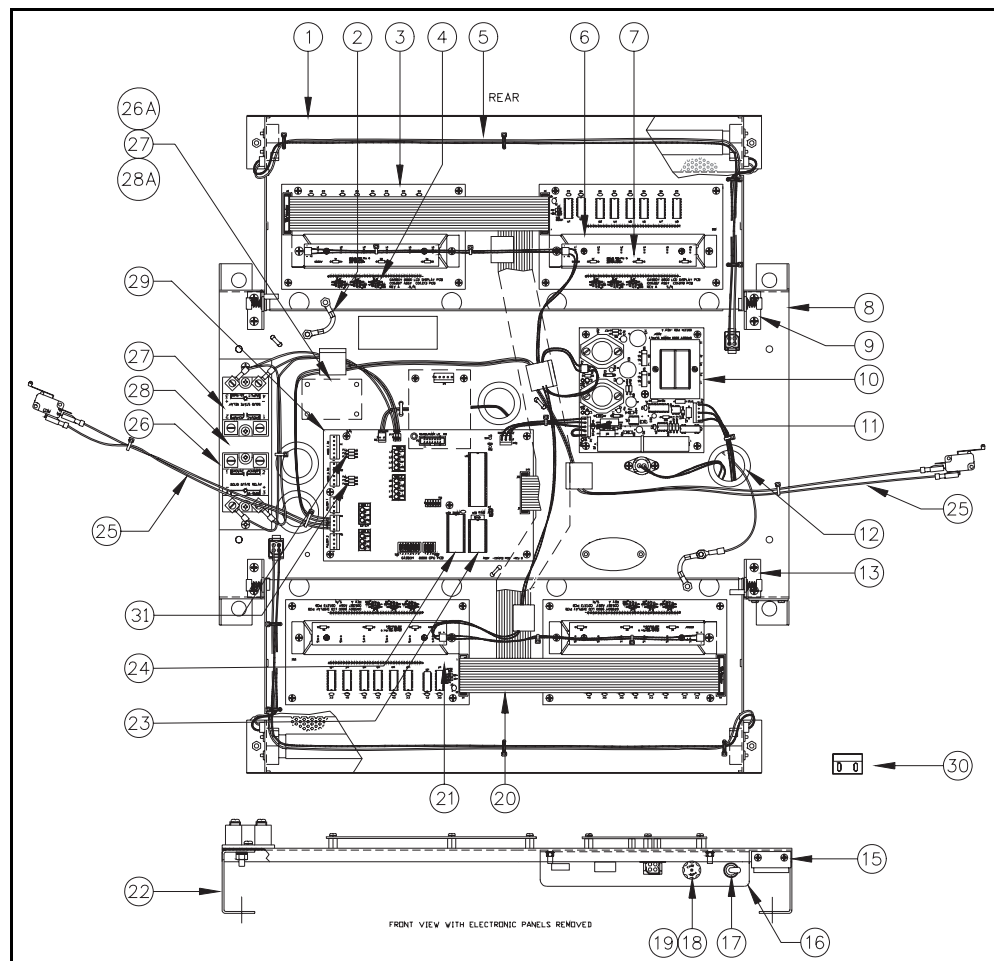
Item	Part No.	Description
1	030805	Reel Assy, 1" Softwall, 1" Hardwall; 1-1/4" Softwall
2	020714	Clamp, 5/8" Hardwall/Softwall
	020712	Clamp, 1" Softwall
	020718	Clamp, 1" Hardwall (1-7/16 OD)
	020719	Clamp, 1" Hardwall (1-3/8 OD)
	026732	Clamp, GY Prem Coax, Vapor Recovery
3	063838	Support Bar Assy.
4	017930	Caplug
5	051956	Bolt, 5/16-18 x 2
6	Q10624-22	Bolt, 5/16-18 x 2-1/2
7	K65235-33	Washer, 5/16 Pltd
8	K73278-28	Lockwasher, 5/16 Pltd
9	056927	Spacer
10	Q10554-12	Plug Button, 7/8
11	013250	Anchor

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6 – Electronic Assembly

Electronic Platform Assembly

Figure 6-1: Electronic Platform Assembly



Pumps

Part No.	Description
C06471	Single w/Battery, 115V
C06513	Single w/Battery, 230V
C06700	9840 w/Battery, 115V
C06704	9840 w/Battery, 230V
C06470	Twin w/Battery, 115V
C06509	Twin w/Battery, 230V
C06473	Single w/o Battery, 115V
C06512	Single w/o Battery, 230V
C06701	9840 w/o Battery, 115V
C06705	9840 w/o Battery, 230V
C06742	Twin w/o Battery, 115V
C06508	Twin w/o Battery, 230V

Dispensers

Part No.	Description
C06461	Single w/Battery, 115V
C06515	Single w/Battery, 230V
C06702	9840X w/Battery, 115V
C06706	9840X w/Battery, 230V
C06475	Twin w/Battery, 115V
C06511	Twin w/Battery, 230V
C06463	Single w/o Battery, 115V
C06514	Single w/o Battery, 230V
C06703	9840X w/o Battery, 115V
C06707	9840X w/o Battery, 230V
C06462	Twin w/o Battery, 115V
C06510	Twin w/o Battery, 230V

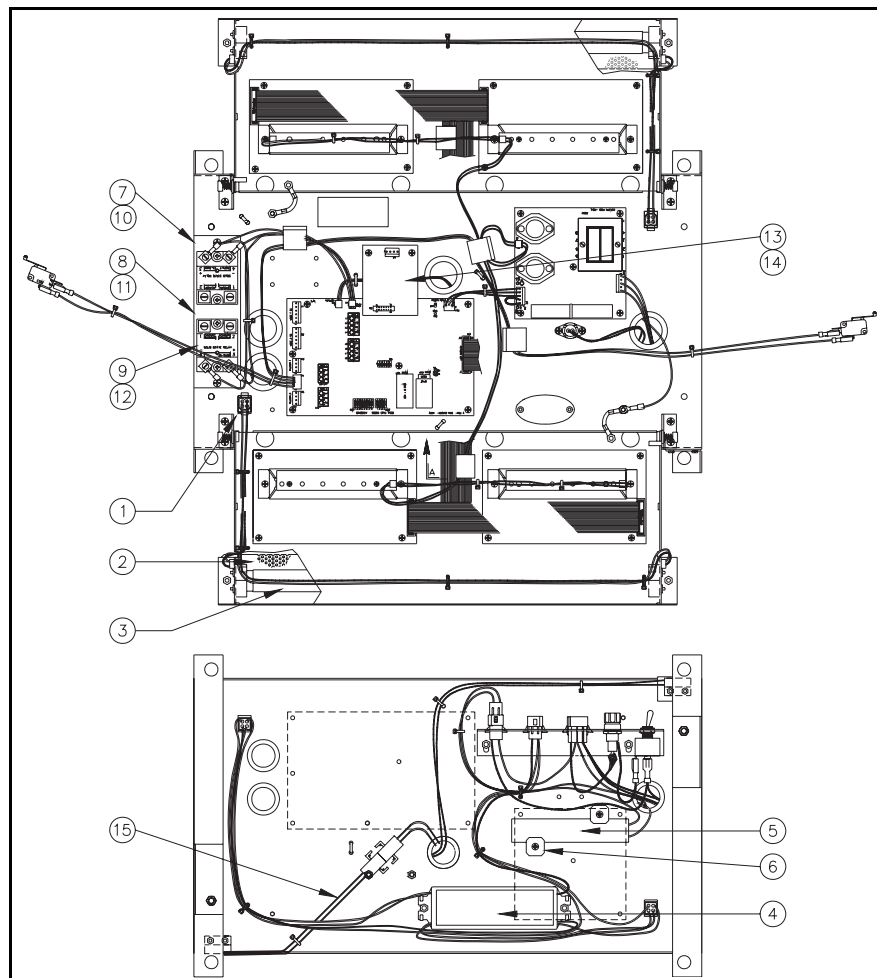
Item	Part No.	Description
1	C06464	Display Panel Assy. - Twin (shown)
	C06465	Display Panel Assy., Single
2	*C06454	Cable Assy., Ground Strap
3	*C06387	PCB Assy., LCD Display
4	**Q11011-01	Jumper, 2 Position Female
5	*C35395	Bracket Assy., Display - Twin
	*C35401	Bracket Assy., Display - Single
6	*C35399	Reflector, LED Backlight
7	*C06372	PCB Assy., LED Sale Backlight
8	M05069A001	Platform Assy.
9	*C35410	Bracket, Left Pivot Assy.

Item	Part No.	Description
10	*C06397	PCB Assy., Power Supply w/Battery - 115 VAC
	*C06396	PCB Assy., Power Supply w/o Battery - 115 VAC
	*C06489	PCB Assy., Power Supply w/Battery - 230 VAC (Int'l use only)
	*C06488	PCB Assy., Power Supply w/o Battery - 230 VAC (Int'l use only)
11	*C06679	Cable Assy, DC CPU Power
12	*K85071-10	Bushing, 1" Snap In
13	*C35408	Bracket, Right Pivot Assy
15	*C06434	Cable Assy., Totalizer
16	*C07707	Cable Assy., AC Power Bracket
17	**C02704	Switch, SPST Toggle
18	**C02065	Fuse Holder, solder
	C09546	Fuse Holder, Quick Conn.
19	**C04044	Fuse, 1 Amp Slow Blow
20	*C06453	Cable Assy., Display Ribbon - Twin
	*C06455	Cable Assy., Display Ribbon - Single
21	*C06431	Cable Assy., LED Backlight Power - Twin
	*C06430	Cable Assy., LED Backlight Power - Single
22	*C35414	Bracket Assy., Platform Mounting
23	*C01383	IC, RAM DS1220Y
24	*C06426	IC, Programmed C01384 PROM <i>Note: You must specify program type: 9800, 9800 Liter, 9840, 9840 Liter.</i>
25	*C06428	Cable Assy., Handle Switch - Twin
	*C06429	Cable Assy., Handle Switch - Single
26	*C06433	Relay Assy., Twin
26A	*C06681	Relay Assy., Single
27	**C08746	Relay, Solid State
28	**C34965	Bracket, Pump Relay - Twin
28A	**C35417	Bracket, Pump Relay - Single
29	*C06394	PCB Assy., CPU, Twin Disp, 115 VAC
	*C06503	PCB Assy., CPU, Twin Pump, 230 VAC
30	C01342	Actuator, Electronic Totalizer
31	C09071	Fuse, 1Amp QB Pico Axial
*Indicates this part is a sub-part of the preceding assembly.		

Note: CPU Rev.H and above have 3 fuses (item 31) per hose outlet; prior versions have 1 fuse per hose outlet.

Electronic Platform Options

Figure 6-2: Electronic Platform Options



For Kit Options C06480 (Lights (L) - 120 VAC) and C06507 (Lights (L) - 240 VAC)

Item	Part No.	Description
1	C06398	Cable Assy., Display Panel Lights
2	C35415	Cover, Display Lamp Screen
3	Q10878-05	Lamp, Fluorescent F15T8/CW
4	C06437	Cable Assy., Ballast - 120 VAC
	C06476	Cable Assy., Ballast - 240 VAC

For Kit options C06481 (Heater (H) - 120 VAC) and C06506 (Heater (H) - 240 VAC)

Item	Part No.	Description
5	C06450	Cable Assy., Heater - 120 VAC
	C06490	Cable Assy., Heater - 240 VAC
6	067165	Washer, Fiber

For Kit Option C06485 (Relay - Twin (RT))

Item	Part No	Description
7	C06433	Relay Assy., Twin
8	*C34965	Bracket, Pump Relay - Twin
9	*C08746	Relay, Solid State, 40 Amp

*Indicates this part is a sub-part of the preceding assembly

For Kit Option C06484 (Relay - Single (RS))

Item	Part No.	Description
10	C06432	Relay Assy., Single
11	*C35417	Bracket, Pump Relay - Single
12	*C08746	Relay, Solid State, 40 Amp

*Indicates this part is a sub-part of the preceding assembly

For Kit Option C06482 (Pump I/F)

Item	Part No.	Description
13	C06425	PCB Assy., Pump I/F

For Kit Option C06483 (RS-485)

Item	Part No.	Description
14	C06389	PCB Assy., RS-485

For Kit Option C06817 (Rear Totalizer)

Item	Part No.	Description
15	C06819	Cable Assy., Rear Totalizer

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